HD/4K Integrated Camera Interface Specifications

AW-UE160

Mar. 1, 2025

Panasonic Entertainment &
Communication Co. Ltd.

■Table of Contents

1. Introduction …3
2. Configulation outline …4
3. Command type …5
4. Communication method …6
5. Update notification …9
6. Special sequences …13
7. Error return …19
8. Menu-Command correspondace Table …21
9. Command List …35

1.Introduction

This manual describes the external interface specifications which are applicable when the AW-UE160 is operated.

2.Configuration outline

This manual has the following general configuration.

① Overview of the external interface

It is possible to control the pan, tilt and white balance adjustments.
It is also possible to acquire the gain and other camera information by initiating queries.
The various functions are employed for the operations with the camera using HTTP which is the host protocol of TCP.
For further details, refer to chapter 3 and chapter 4.

②Camera information update notification

The local terminal is notified of the values of the gain and other settings which have been changed at another terminal or other terminals so that it can acquire the camera information.
This feature is useful when one camera is controlled by a multiple number of terminals, and when the setting for enabling update notifications to be received has been established, the information which has been changed by other terminals can be acquired.
For further details, refer to chapter 5.

③Camera information batch acquisition

The camera information can be acquired in batch form. Since there is no need to query each and every camera information item when this feature is used, the feature is useful when all the camera information is required such as at startup.
For further details, refer to chapter 6.

④Error return

An error whether ER1, ER2 or ER3 is returned when an error has been generated by a command in ① above or when the AWB result contains an error.
For further details, refer to chapter 7.

⑤Menu list and command correspondence table

This table which summarizes AW-UE160 menu list and commands related to each menu item.
For further details, refer to chapter 8.

⑥Control and request command

Describes the specifications of commands used in AW-UE160.
For further details, refer to chapter 9.

3.Command type

There are two types of external interface command: Pan/Tilt control commands and camera control command.

3-1.Pan/Tilt control command

This interface controls the pan tilt head.
Starts with # (0x23), and ends with [CR](0x0d)
example)Pan stop command

#	P	5	0	[CR]
0x23	0x50	0x35	0x30	0x0D

※[CR] is not required for IP communication

Commands which command type is "ptz"(in chapter 9) are for Pan/Tilt control commands

3-2.Camera control command

This interface is for the camera lens control and image/color adjustments.
Starts with [STX] (0x02), and ends with [ETX] (0x03)
":" letter is required before [Data] for camera Control commands.
example)Auto Focus setting

[STX]	O	A	F	:	1	[ETX]
0x02	0x4F	0x41	0x46	0x3A	0x31	0x03

※[STX] and [ETX] are not required for IP communication

4.Communication method

The camera can be controled by serial communication and IP communication respectively

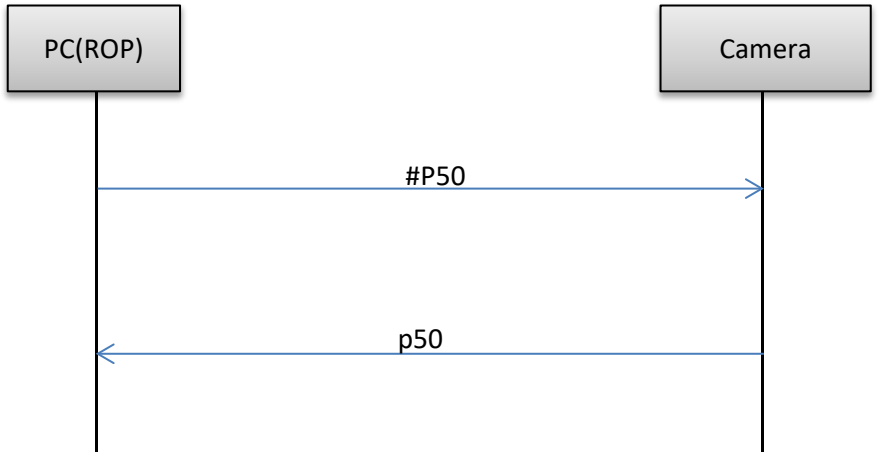
4-1.Serial communication

The camera communicates with RS422. The communication specifications are as follows

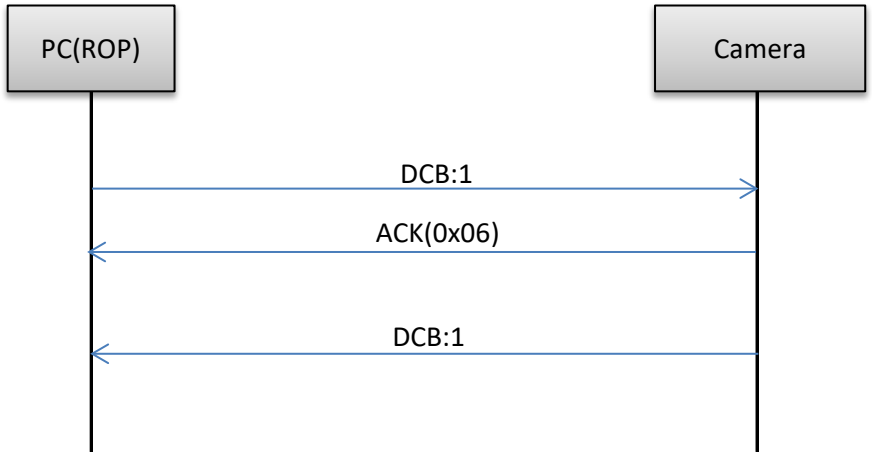
Method	Half Duplex
Commnunication Speed	9600bps, 38400bps, 115200bps
Data bit	8bit
Stop bit	1bit
Parity	None
Flow contorol	None

▼Sequence of serial communication

In case of Pan/Tilt Control command



In case of Camera Control command



【Restrictions】

1. When using the pan-tilt head control commands, send the commands with a gap of 16 ms between each command. Given below is the sequence.

2. Some settings and conditions may restrict the effects of other settings (※ including those with exclusive control conditions).
   See more detail in Chapter 8 for the exclusive control conditions

3. Send the commands which change the settings only at the point in time when the changes are required. (Do not send them at regular intervals.)

4-2.IP communication

In case of Pan/Tilt Control command

▼Send format

http://**[IP Address]**/cgi-bin/aw_ptz?cmd=**[Command]**&res=**[Type]**

※IP Address・・・IP address of camera at connection destination

※Command・・・・・Details given in “Command” column in Chapter 9

※Type・・・・・・・・Fixed at “1”

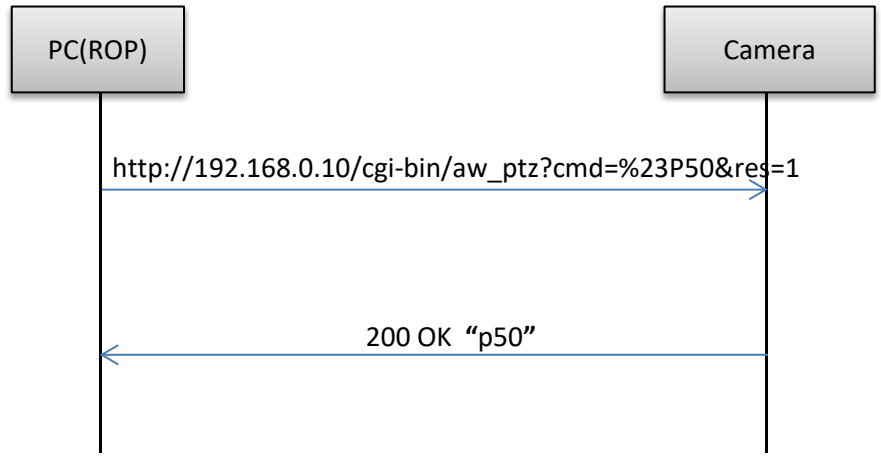
▼Receive format

200 OK “**Command**”

※Command・・・Response value of each command;
set in the HTTP message body

See more detail in Chapter 7 for the error communication sequence for the transmitted command

▼Sequence



※Depending on the browser or middleware used, “#” may have to be converted to “%23” by ASCII conversion.

In case of Camera Control command

▼Send format

http://**[IP Address]**/cgi-bin/aw_cam?cmd=**[Command]**&res=**[Type]**

※IP Address・・・IP address of camera at connection destination

※Command・・・・・Details given in “Command” column in Chapter 9

※Type・・・・・・・・Fixed at “1”

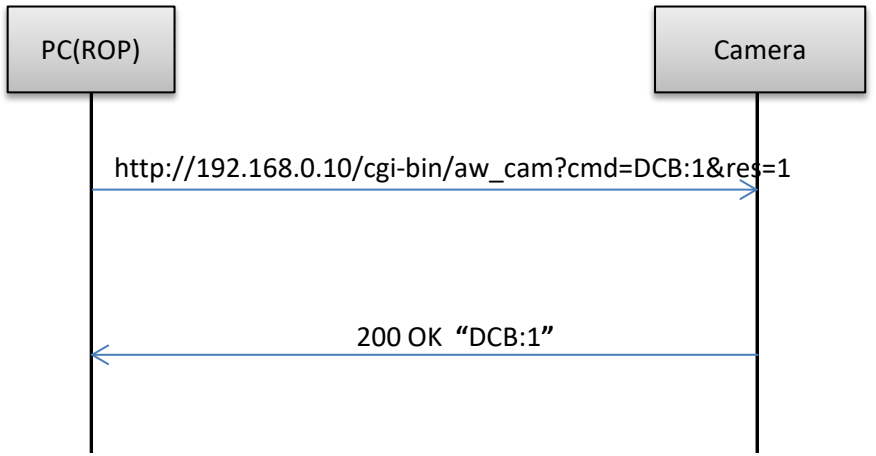
▼Receive format

200 OK “**Command**”

※Command・・・Response value of each command;
set in the HTTP message body

See more detail in Chapter 7 for the error communication sequence for the transmitted command

▼Sequence



【Restrictions】

1. When using the pan-tilt head control commands, send the commands with a gap of 16 ms between each command. Given below is the sequence.

2. Keep-Alive cannot be set with HTTP connections.
   Connect and disconnect are performed each time a command is sent or received.

3. Some settings and conditions may restrict the effects of other settings (※ including those with exclusive control conditions).
   See more detail in Chapter 8 for the exclusive control conditions

4. Send the commands which change the settings only at the point in time when the changes are required. (Do not send them at regular intervals.)

5.Update notification

The following restrictions apply to camera operations that are performed using HTTP communication and that have been described in the previous chapters:

A) Even when a camera setting is changed by one terminal, the other terminals will not know that the setting has been changed unless they send the query command to the camera.

B) In the case of a preset playback, AWB/ABB execution or other control commands that take time to be processed, it is necessary to wait until the processing is completed for the response.

By sending information autonomously from the camera to the terminals, it is possible to do the following:

A) When a camera setting is changed by one terminal, the other terminals are notified of the setting change immediately.

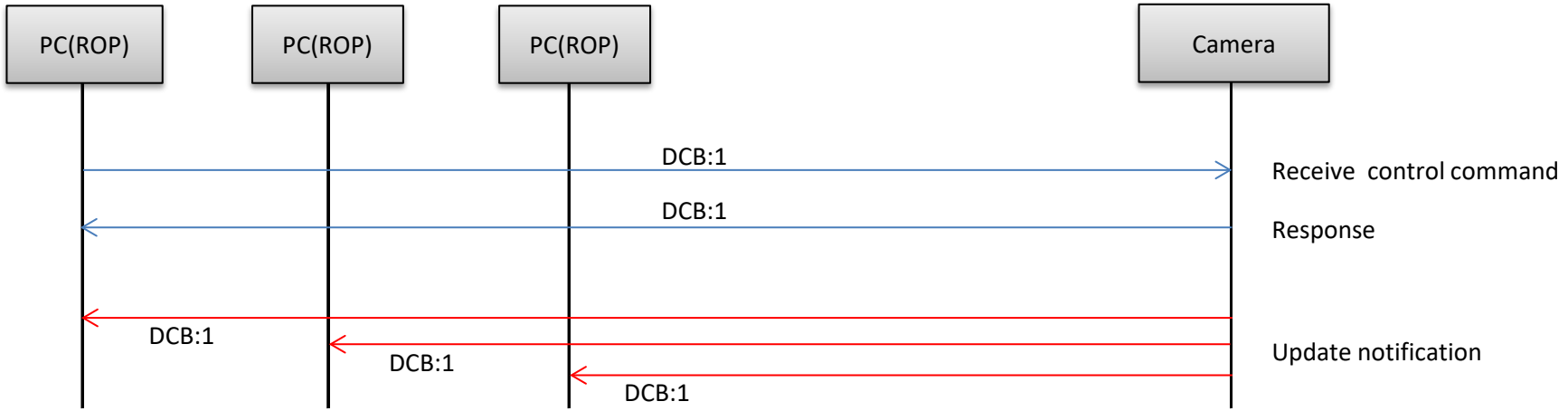
B) With a control command that takes time to be processed, the HTTP response is returned as soon as the command has been received, and separate notification of the processing result is given as soon as the processing is completed.

These functions are referred to as the camera information update notification function.

This chapter uses the term “update notification” to refer to this function

5-1.Update notification sequence

When the settings of the camera have been changed from the local terminal (PC1), the changes are also posted by an update notification separately from the HTTP response to the command.



Some commands are not to be incicated as update notifications. See Chapter:9 for more detail

All update notification will be sent when the parameters of multiple commands have changed due to command control.

5-2.Data format for update notifications

▼Serial

In the case of Pan/Tilt control command, ends with [CR](0x0d)
In the case of Camera control command, starts with [STX] (0x02), and ends with [ETX] (0x03)

▼IP

The update notification is given to the TCP port on the terminal whose number was specified using the update notification start command by TCP protocol communication.
A breakdown of the data received is given below.
【Receive data】

Reserve (22Byte)	**Size (2Byte)**	Reserve (4Byte)	**Update notification information (Variable length: Max. 504 bytes)**	Reserve (24Byte)

The updated information is set in “Update notification information” of the receive data format.
The data received from the camera has a variable length.
The size of the update notification information is the value obtained by subtracting 8 bytes from the “Size” area setting.
・“Update notification information” data length ＝ “Size” － 8 bytes

【Update notification information format】
[CR][LF][Command response format][CR][LF]
※ [CR]:0x0d、[LF]:0x0a

ex1)Power: On
[CR][LF]p1[CR][LF]

ex2)Color bar: On
[CR][LF]DCB:1[CR][LF]

5-3.Procedure of start/end of the update notifications reception

To receive an update notification via IP, you must perform the update notification reception start process in advance.
At a time like this, the number of the TCP port on the terminal for receiving the update notification (having the update notification sent) is specified.

① Update notification receive start step

example)When reception is to be started with “192.168.0.10” used as the IP address of the camera
http://192.168.0.10/cgi-bin/event?connect=start&my_port=31004&uid=0
※ my_port … Number of the TCP port on the terminal (any port)

【Update notification receive start sequence】

The update notification receive start command is sent from the terminal where the update notifications are to be received.
“204 No Content” is returned from the camera which has received the command.

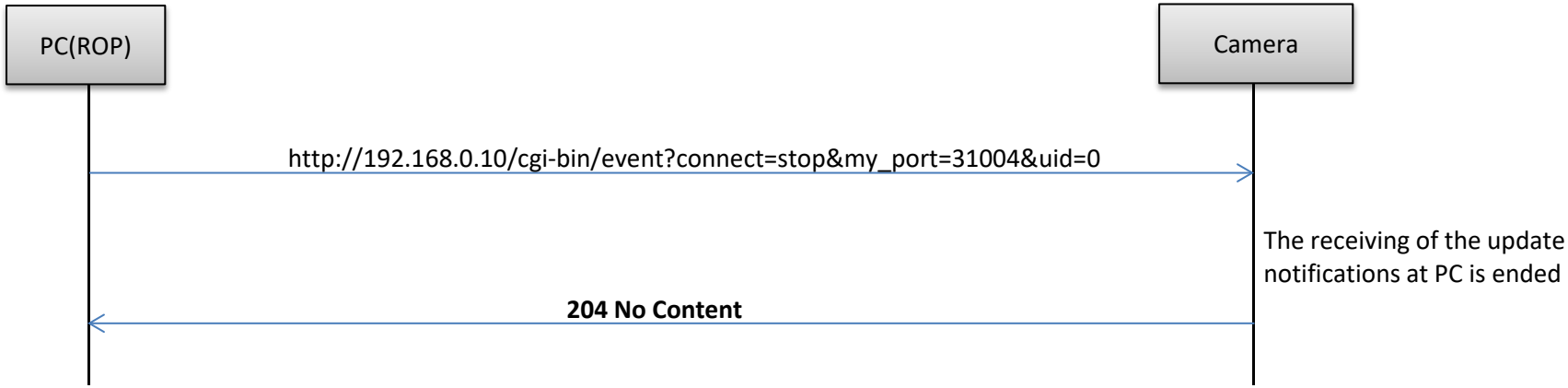
【Caution】
Proceed with the update notification receive start step when communication has been cut off because the LAN cable has been disconnected, for example.

② Update notification receive end step

To close the application of the client, the update notification receive end step must be taken without fail.
example) When reception is to be ended with “192.168.0.10” used as the IP address of the camera
http://192.168.0.10/cgi-bin/event?connect=stop&my_port=31004&uid=0
※ my_port … Number of the TCP port on the terminal

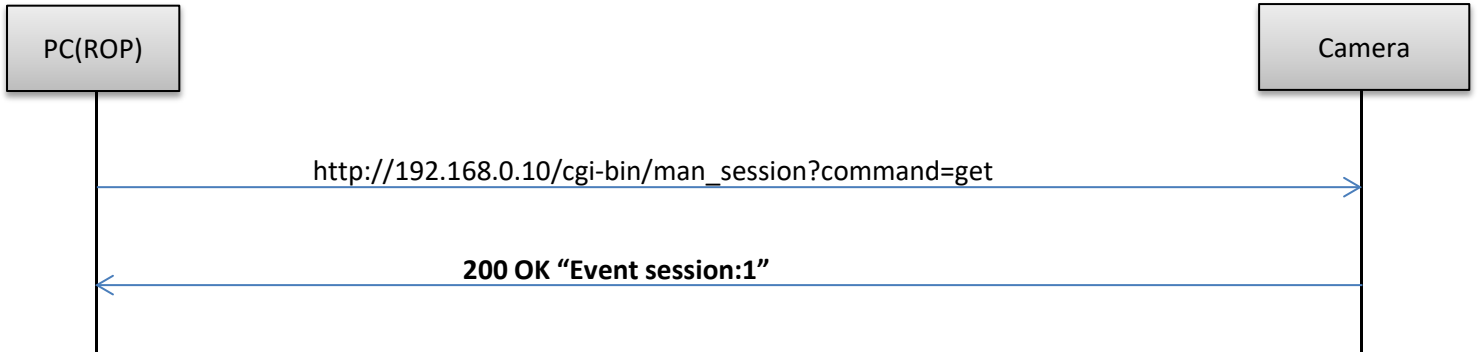
【Update notification receive end sequence】

The update notification receive end command is sent from the terminal which has received the update notifications.
"204 No Content" is returned from the camera which received the command.



③ Registered number of update notifications

You can query the number of external devices (RP remote controller etc.) connected to the camera with the following command.
The number of connected device increases with the procedure to start receiving update notifications and decreases the procedure to start receiving update notifications. The number of connected device also decreases when it can not communicate with the device.
Number of terminals which can receive update notifications at the same time: 5
When the remote camera controller is connected, it is counted as one unit.
example) When the IP address of the camera is "192.168.0.10" and you want to request registered number.
http://192.168.0.10/cgi-bin/man_session?command=get



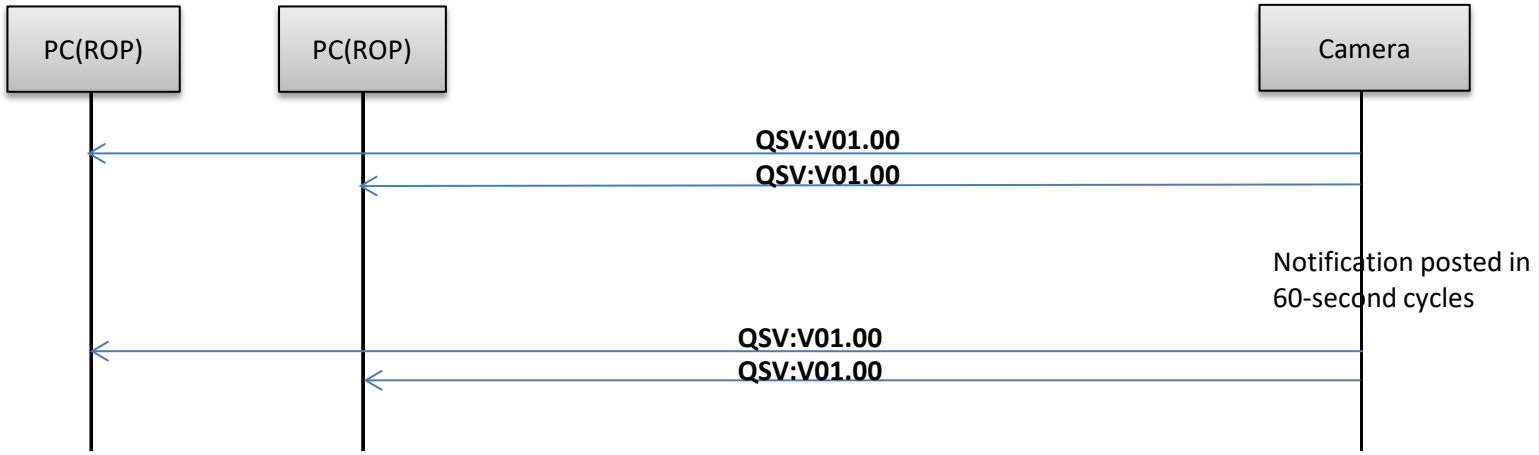
6.Special sequences

Update notifications are sometimes sent at times other than when the settings or statuses of the camera have been changed.
Some cases are presented below.
It is assumed that the update notification start command has been sent to all the terminals in the sequence
and that the terminals can receive the update notifications from the camera.

6-1.Version information notification

The version information is posted in 60-second cycles.
See QSV in Chapter 9 for notification content

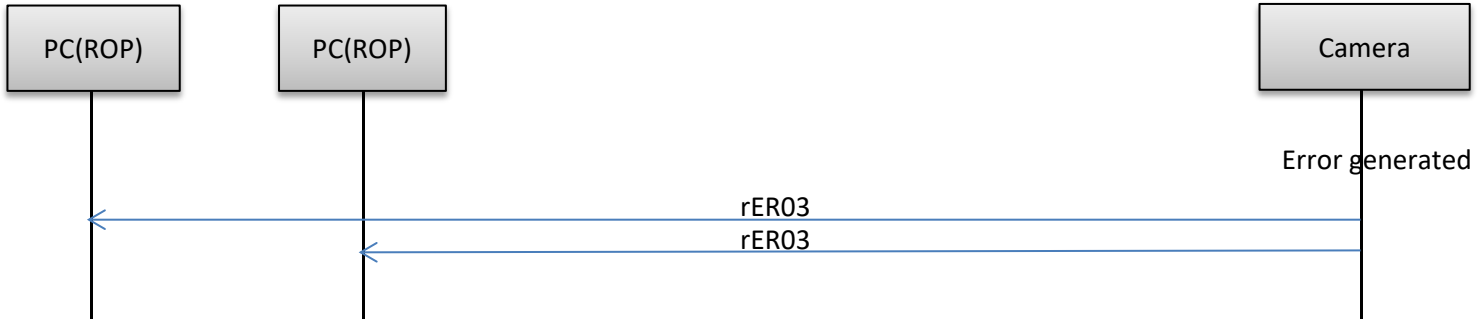
【Sequence when the version information is received】
The camera sends the version information in 60-second cycles, and this information is received by terminals PC1 and PC2.



6-2.Error information

In cases where the camera has detected error information, the error information is posted in 30-second cycles.
When operation has been restored from an error condition, [Error Code 00:Normal] is posted only once.
If the error has not been detected, the error information is not posted.
See #RER in Chapter 9 for notification content

【Error information receive sequence】
When the camera detects an error, it sends the error information to the terminals, and terminals PC1 and PC2 receive this information.

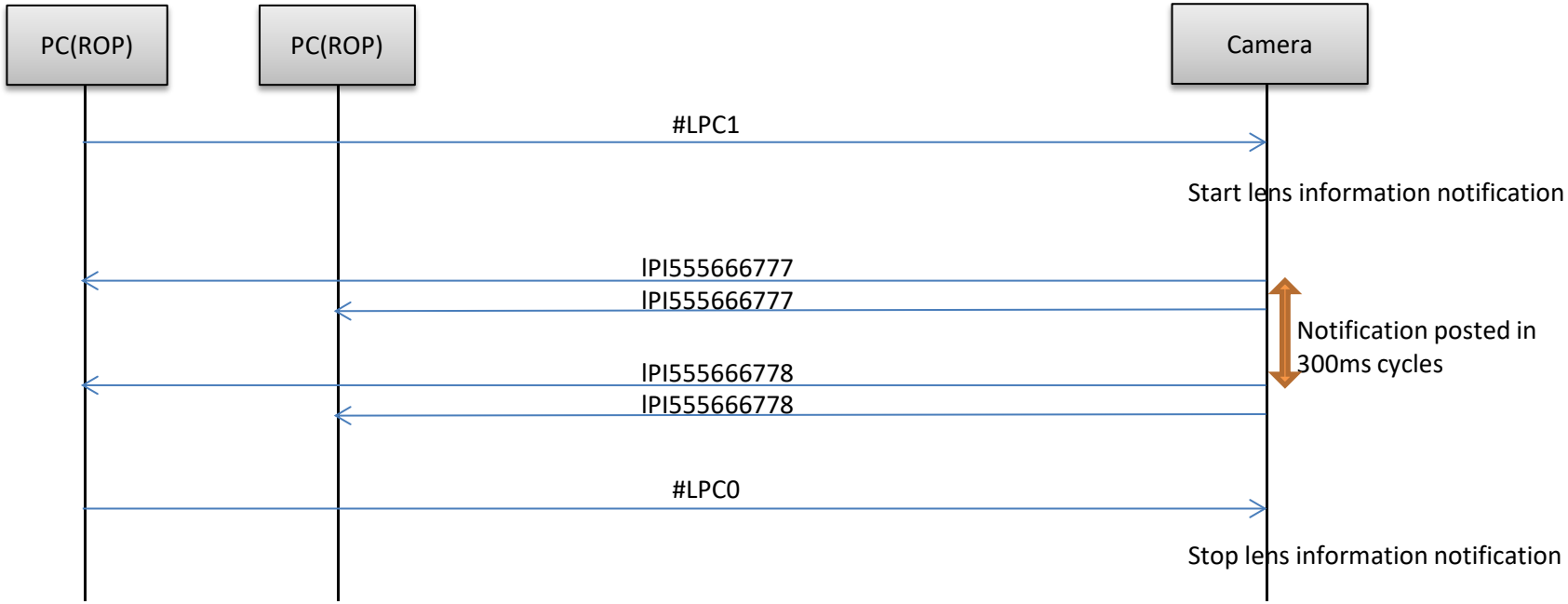


6-3.Lens Information

Notification is sent in a 300ms cycle when “On: Information is posted” has been set for the lens information notification On/Off control command

Notification	Lens information
LPI[ZZZ][FFF][III]	ZZZ Zoom position FFF Focus position III Iris position (Expressed in 3 digits each)

【Sequence when lens information is changed】
Start lens information notification when the camera receive lens information On command (#LPC1).
When the camera detects changes in the lens information, the changed lens information is sent to the terminals,
and terminals PC1 and PC2 receive this information.
Stop lens information notification when the camera receive lens information Off command (#LPC0).

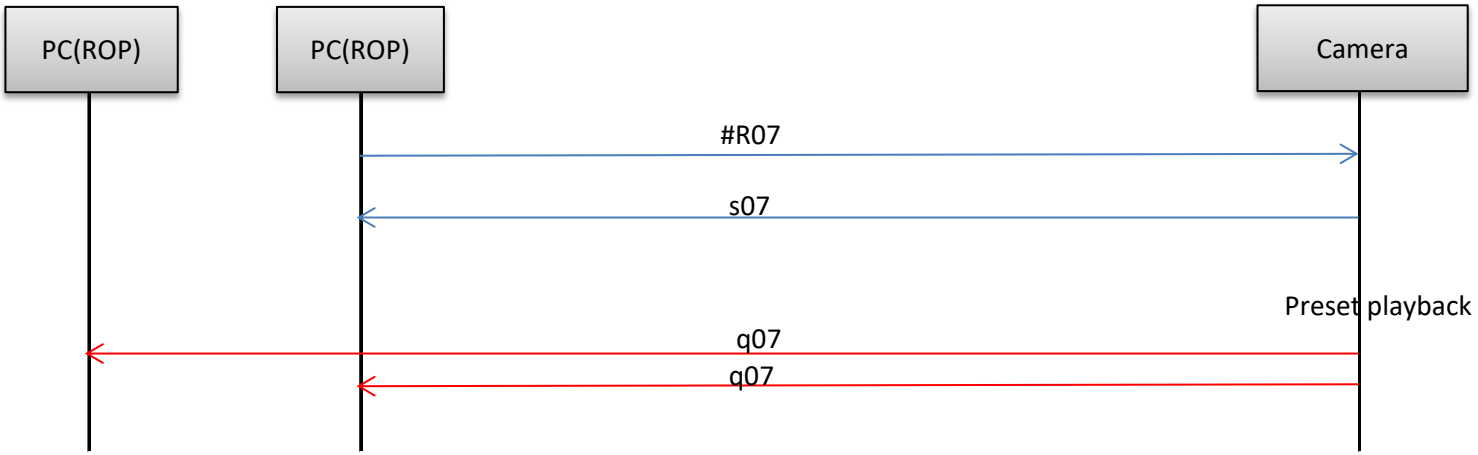


6-4.Preset playback

This command sends the preset playback completion notification as an update notification when preset playback in the camera has been completed.

Notification	Remarks
q[Data]	Number of the preset which was played back － 1

【Preset playback sequence】
This is the sequence in which preset number 08 is played back.
As soon as the preset playback command is received, “s07” is returned as the HTTP response,
and as soon as the playback is completed after this, “q07” is posted separately as the update notification.



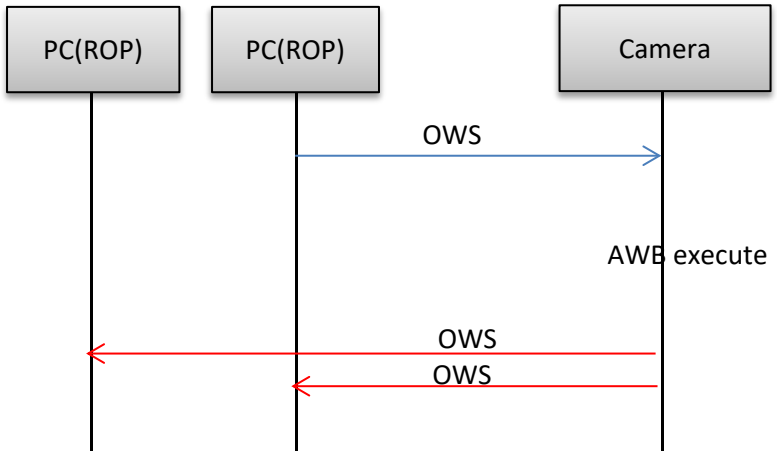
6-5.AWB/ABB execution

This command sends the execution results as an update notification when execution of AWB/ABB has been completed by the camera.

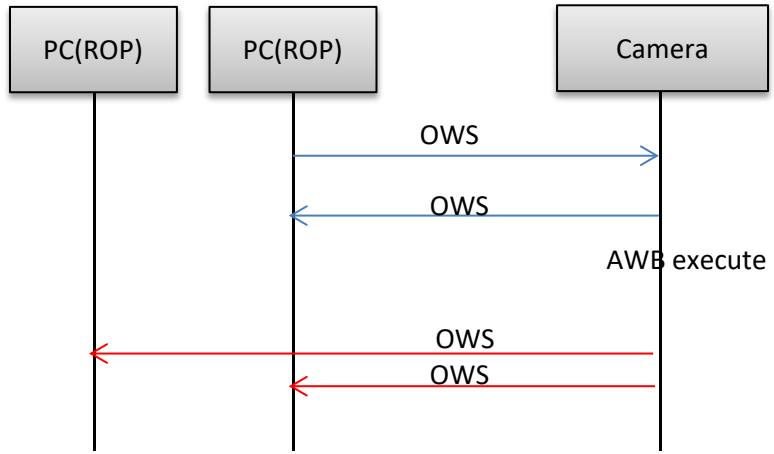
Notification	Remarks
OWS	AWB execution successful
OAS	ABB execution successful

【AWB execution sequence】
As soon as the AWB/ABB execution command is received, return response,
and as soon as the AWB execution is completed, “OWS” is posted separately as the update notification.

Serial



IP



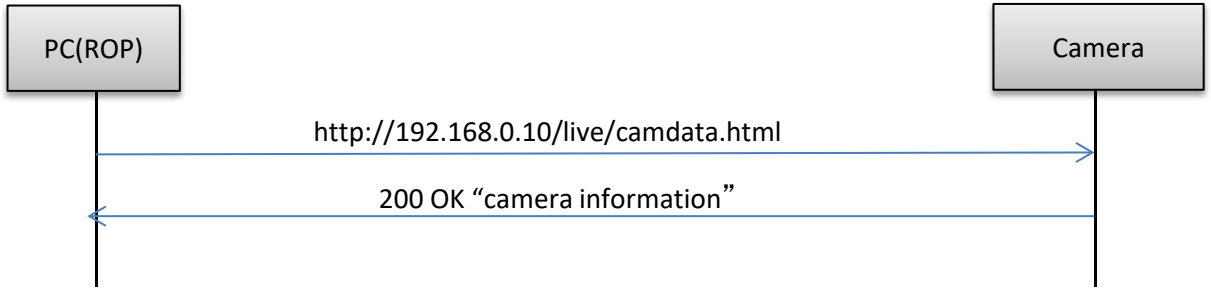
6-6.Camera information batch acquisition

All the information of the camera can be acquired together as a batch.

【Command format】
[send]
http://[IP Address]/live/camdata.html

[receive]
200 OK “Camera information”
See chapter 9 for detail of camera information

【Sequence】



7.Error return

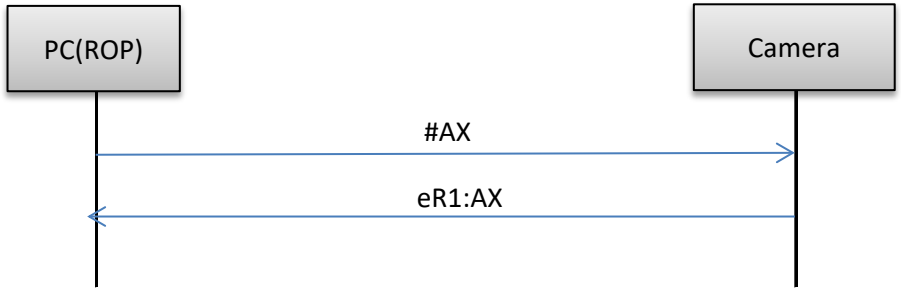
The three errors ER1, ER2 and ER3 below are returned in response to control or query commands by the camera.

In the case of Pan/Tilt control command

▼ER1 (unsupported command)

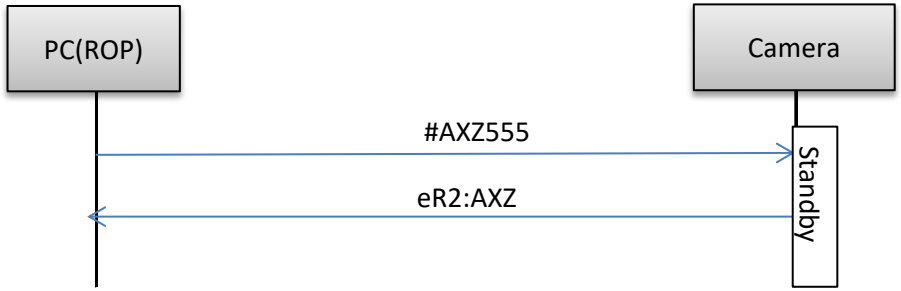
This error is generated when a command which is not supported by the camera has been received by the camera

example) When the non existent “#AX” command is executed for the camera



▼ER2 (busy status)

This error is generated during Standby (Power Off) or at other times when the camera is in the busy status.

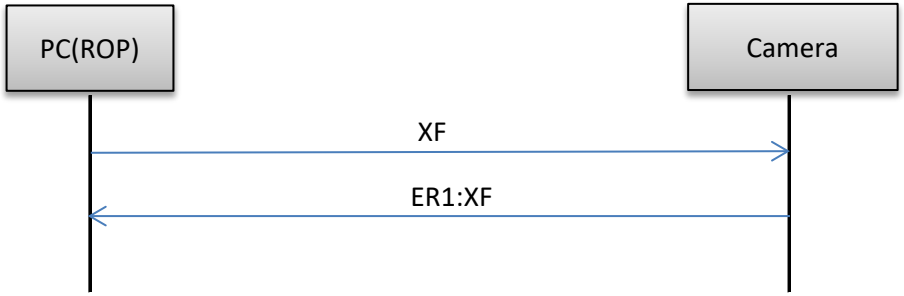


In the case of Camera control command

▼ER1 (unsupported command)

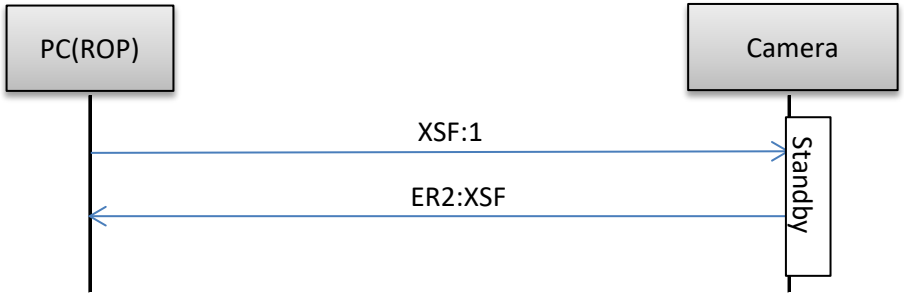
This error is generated when a command which is not supported by the camera has been received by the camera

example) When the non existent “XF” command is executed for the camera

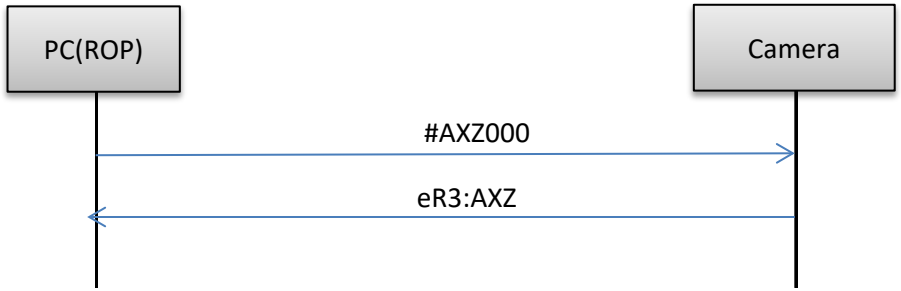


▼ER2 (busy status)

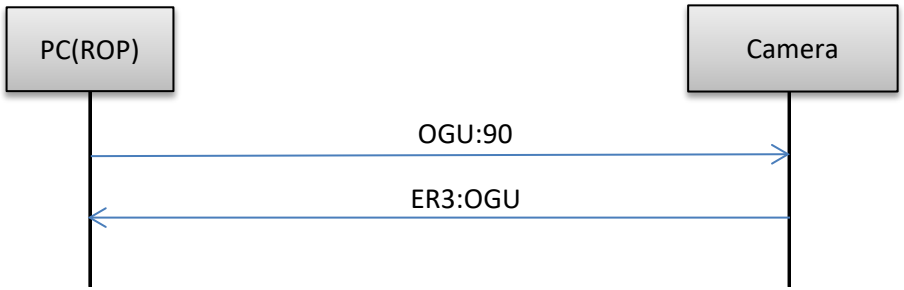
This error is generated during Standby (Power Off) or at other times when the camera is in the busy status.



▼ER3 (outside acceptable range)
This error is generated when the data value of a command is outside the acceptable range.
example) The “#AXZ” command was executed with a data value of “000” which is outside the acceptable range.



▼ER3 (outside acceptable range)
This error is generated when the data value of a command is outside the acceptable range.
example) The “OGU (gain setting)” command was executed with a data value of “90” which is outside the acceptable range.



8. AW-UE160 Menu-Command Correspondance Table

Menu	Command	Remarks
BASIC CONFIG		
FREQUENCY	OSE:77	The unit is automatically rebooted after changing settings.
FORMAT	OSA:87	
SFP+ MODE	OSL:00	The unit is automatically rebooted after changing settings.
V-LOG	OSJ:56	Not available when HDR is ON.
V-LOG PAINT SW	OSL:01	Not available when V-LOG is OFF.
HDR	OSI:2C	Not available when V-LOG is ON.
GAMUT	OSL:02	Not available when HDR is OFF.
SHOOTING MODE	OSI:30	
SERIAL CONNECTION		
BAUD RATE	OVP:04	Not available when TRACKING DATA OUTPUT - SERIAL is ON.
BAR	DCB	
COLOR BAR TYPE	OSD:BA	
TONE	OSJ:27	
TALLY	TLR #DA TLG TLY #TAA	"TLR" and "#DA" are same command.
TALLY	#TAE	
TALLY BRIGHTNESS	OSA:D3	
TALLY GUARD	OSL:04	
TALLY LED LIMIT		
R	OSJ:D9	
G	OSJ:DA	
Y	OSL:05	
EXTERNAL OUTPUT		
OUTPUT1	OSJ:41	
OUTPUT2	OSJ:42	
TSL5.0		
INDEX NO.	-	
PORT	-	
SYNC SIGNAL		
REF SIGNAL	OSL:08	Not available when the unit is not activated.
GEN-LOCK		
H PHASE-COARSE	OSL:09	Not available when REF SIGNAL is PTP.
H PHASE-FINE	OSL:0A	Not available when REF SIGNAL is PTP.
BAR ID		
BAR ID	OSD:BE	Not available when SFP+ MODE is ST2110 JPEG XS.
BRIGHTNESS	OSL:0B	
ID1 POSITION V	OSL:0C	
ID1 POSITION H	OSL:0D	
ID1	OSL:0E	
ID2 POSITION V	OSL:0F	
ID2 POSITION H	OSL:10	
ID2	OSL:11	
OFFSET V	OSL:12	
OFFSET H	OSL:13	
NETWORK		
LAN		
DHCP	-	
IP ADDRESS	-	
SUBNET MASK	-	
DEFAULT GATEWAY	-	
MAC ADDRESS	-	
SFP+		
DHCP	-	
IP ADDRESS	-	
SUBNET MASK	-	
DEFAULT GATEWAY	-	
MAC ADDRESS	-	
COMMON SETTING		
DNS	-	
PRIMARY	-	
SECONDARY	-	
DOMAIN	-	
HTTP PORT	-	
HTTPS PORT	-	

Menu	Command	Remarks
OUTPUT		
12G SDI OUT/SFP+		
FORMAT SELECT	OSJ:1E	
HDR OUTPUT SELECT	OSJ:1F	・Not available when HDR is OFF. ・HDR(2020) is selectable only when GAMAT is WIDE_G2.
V-LOG OUTPUT SELECT	OSJ:57	Not available when V-LOG is OFF.
OUTPUT ITEM	OSL:14	
CHAR	OSE:7B	
3G SDI	OSJ:20	Not available when 12G SDI OUT/SFP+ - FORMAT SELECT is not 1080/59.94p or 1080/50p.
3G SDI OUT1		
FORMAT SELECT	OSJ:21	
HDR OUTPUT SELECT	OSJ:22	・Not available when HDR is OFF. ・HDR(2020) is selectable only when GAMAT is WIDE_G2.
V-LOG OUTPUT SELECT	OSJ:58	Not available when V-LOG is OFF.
OUTPUT ITEM	OSL:15	
CHAR	OSE:7B	
3G SDI	OSI:29	Not available when 3G SDI OUT1 - FORMAT SELECT is not 1080/59.94p or 1080/50p.
3G SDI OUT2/PM		
OUTPUT SELECT	OSL:17	・Not available when UHD CROP is CROP(720). ・Not available when the unit is not activated. ・Not available when SFP+ MODE is 12G OUTPUT.
FORMAT SELECT	OSJ:23	Not available when 3G SDI OUT2/PM - OUTPUT SELECT is RETURN.
HDR OUTPUT SELECT	OSJ:24	・Not available when HDR is OFF. ・HDR(2020) is selectable only when GAMAT is WIDE_G2.
V-LOG OUTPUT SELECT	OSJ:59	Not available when V-LOG is OFF.
OUTPUT ITEM	OSL:18	
CHAR	OSE:7B	
3G SDI	OSL:1A	Not available when 3G SDI OUT2 - FORMAT SELECT is not 1080/59.94p or 1080/50p.
HDMI		
FORMAT SELECT	OSJ:25	
HDR OUTPUT SELECT	OSJ:26	・Not available when HDR is OFF. ・HDR(2020) is selectable only when GAMAT is WIDE_G2.
V-LOG OUTPUT SELECT	OSJ:5A	Not available when V-LOG is OFF.
VIDEO SAMPLING	OSE:68	Not available when HDMI - FORMAT SELECT is not 2160/59.94p or 2160/50p.
CHAR	OSE:7B	
RETURN		
RETURN1 ID	OSL:1B	Not available when the unit is not activated.
AUDIO		
AUDIO	OSA:D0	
INPUT1 SETTING		
INPUT SELECT	OSL:1C	
MIC GAIN	OSL:1D	Not available when INPUT SELECT is LINE.
LINE LEVEL	OSA:D4	Not available when INPUT SELECT is MIC or MIC+48V.
INPUT2 SETTING		
INPUT SELECT	OSL:1C	
MIC GAIN	OSL:1D	Not available when INPUT SELECT is LINE.
LINE LEVEL	OSA:D4	Not available when INPUT SELECT is MIC or MIC+48V.
OUTPUT SETTING		
CH SELECT	OSL:1E	
CH1 VOLUME LEVEL	OSA:D5	
CH2 VOLUME LEVEL	OSA:D5	
HEAD ROOM	OSA:D6	
ST2110 AUDIO FORMAT		
CH1	-	
CH2	-	
IP SIGNAL		
NDI		
FORMAT SELECT	OSL:21	Not available when SFP+ MODE is ST2110 JPEG XS.
IP(H.264/H.265)		
OUTPUT ITEM	OSL:23	
CHAR	OSE:7B	
ST2110		
MOIP MODE	-	
MAIN VIDEO TX		
FORMAT	QSL:AA	・Not available when the unit is not activated. ・Not available when MOIP MODE is OFF. ・Not available when FORMAT is not 1080/59.94p or 1080/50p. ・Not available when SFP+ MODE is ST2110 JPEG XS.
CROP VIDEO TX		
FORMAT	QSL:AC	Not available when SFP+ MODE is ST2110 JPEG XS.
MONITOR VIDEO TX		
FORMAT	QSL:AD	Not available when SFP+ MODE is ST2110 JPEG XS.
RET VIDEO RX		
FORMAT	OSL:B4	Not available when SFP+ MODE is ST2110 JPEG XS.
JPEG XS TX VIDEO SELECT	OSL:C8	Not available when SFP+ MODE is ST2110 JPEG XS.
MAIN VIDEO JPEG XS TX		
FORMAT	OSL:C9	Not available when SFP+ MODE is ST2110 JPEG XS.
CROP VIDEO JPEG XS TX		
FORMAT	OSL:CA	Not available when SFP+ MODE is ST2110 JPEG XS.
RET VIDEO JPEG XS RX		
FORMAT	OSL:CB	Not available when SFP+ MODE is ST2110 JPEG XS.

Menu	Command	Remarks
PAINT		
AUTO		
AGC	OSL:26	
AUTO IRIS	ORS #D3	"ORS" and "#D3" are same command.
ATW	OSL:2A	
AUTO SHUTTER	OSL:2E	Not available when SHUTTER SW is OFF.
KNEE MODE	OSL:46	・Not available when V-LOG is ON. ・Not available when HDR is ON. ・Not available when KNEE is OFF.
GAIN SETTING		
GAIN	OSL:25 OGU	
AGC	OSL:26	
AGC MAX GAIN	OSD:69	
FRAME MIX SW	OSL:27	・Not available when SHUTTER SW is ON. ・Not available when FORMAT is the following. ・2160/29.97p ・2160/23.98p ・2160/24p ・2160/25p ・1080/119.88p ・1080/29.97p ・1080/23.98p ・1080/23.98p ・1080/24p ・1080/25p ・1080/100p
_FRAME MIX	OSL:28 OSA:65	Not available when FRAME MIX is OFF.
DAY/NIGHT	#D6	
IRIS		
AUTO IRIS	ORS #D3	"ORS" and "#D3" are same command.
WINDOW SELECT	OSJ:02 OSL:CC OSL:CD	
PICTURE LEVEL	OSD:48	Not available when "AUTO IRIS is OFF" and "AUTO SHUTTER is OFF" and "AGC is OFF".
PEAK RATIO	OSL:29	
AUTO IRIS CLOSE LIMIT	OSJ:C0	
IRIS SPEED	OSJ:01	
W/B BAL SETTING	OWS OAS	AWB is not available when DAY/NIGHT is NIGHT.
ATW	OSL:2A	
WHITE BALANCE MODE	OSL:2B OAW	Not available when ATW is ON.
W.BAL VAR	OSI:20 OSI:1E OSI:1F	・Not available when WHITE BALANCE MODE is not VAR. ・Not available when ATW is ON.
ATW SPEED	OSI:25	Not available when ATW is OFF.
ATW TARGET R	OSJ:0D	Not available when ATW is OFF.
ATW TARGET B	OSJ:0E	Not available when ATW is OFF.
SHOCKLESS WB SW	OSL:2C	
_SHOCKLESS WB SPEED	OSL:2D	
SHUTTER SPEED		
SHUTTER SW	OSG:59	
_AUTO SHUTTER	OSL:2E	Not available when SHUTTER SW is OFF.
_AUTO SHUTTER LIMIT	OSD:BF	・Not available when SHUTTER SW is OFF. ・Not available when AUTO SHUTTER is OFF.
_SHUTTER MODE	OSG:5A OSJ:03	
_SHUTTER SPEED	OSJ:06 OSJ:04 OSJ:05	Not available when SHUTTER MODE is STEP.
_SYNCHRO SCAN	OSJ:09 OSJ:07 OSJ:08	Not available when SHUTTER MODE is SYNCHRO.
PEDESTAL		
MASTER PEDESTAL	OSJ:0F	Not available when V-LOG is ON and V-LOG PAINT SW is
R PEDESTAL	OSG:4C	Not available when V-LOG is ON and V-LOG PAINT SW is
G PEDESTAL	OSG:4D	Not available when V-LOG is ON and V-LOG PAINT SW is
B PEDESTAL	OSG:4E	Not available when V-LOG is ON and V-LOG PAINT SW is
PEDESTAL OFFSET	OSJ:11	Not available when V-LOG is ON and V-LOG PAINT SW is
CHROMA		
CHROMA LEVEL SW	OSG:93	Not available when V-LOG is ON and V-LOG PAINT SW is
_CHROMA LEVEL	OSL:B0 OSD:B0	・Not available when V-LOG is ON and V-LOG PAINT SW is OFF. ・Not available when CHROMA LEVEL SW is OFF.

Menu	Command	Remarks
COLOR TEMP SETTING		
COLOR TEMP ACH/BCH		
COLOR TEMP ACH	OSJ:4A OSJ:48 OSJ:49	Same command is used for the same name menu in V-LOG PAINT.
R GAIN ACH	OSJ:4B	Same command is used for the same name menu in V-LOG PAINT.
B GAIN ACH	OSJ:4C	Same command is used for the same name menu in V-LOG PAINT.
G AXIS ACH	OSJ:4D	Same command is used for the same name menu in V-LOG PAINT.
COLOR TEMP BCH	OSL:2F OSL:30 OSL:31	Same command is used for the same name menu in V-LOG PAINT.
R GAIN BCH	OSL:32	Same command is used for the same name menu in V-LOG PAINT.
B GAIN BCH	OSL:33	Same command is used for the same name menu in V-LOG PAINT.
G AXIS BCH	OSL:34	Same command is used for the same name menu in V-LOG PAINT.
RGB GAIN CONTROL SETTING		
G GAIN REL CONTROL SW	OSL:35	Not available when V-LOG is ON and V-LOG PAINT SW is
RGB GAIN PRESET		
R GAIN	OSL:36	・Not available when WHITE BALANCE MODE is AWB A or AWB B. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
G GAIN	OSL:37	・Not available when WHITE BALANCE MODE is AWB A or AWB B. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
B GAIN	OSL:38	・Not available when WHITE BALANCE MODE is AWB A or AWB B. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
RGB GAIN ACH/BCH		
R GAIN ACH	OSL:39	Not available when V-LOG is ON and V-LOG PAINT SW is
G GAIN ACH	OSL:3A	Not available when V-LOG is ON and V-LOG PAINT SW is
B GAIN ACH	OSL:3B	Not available when V-LOG is ON and V-LOG PAINT SW is
GAIN OFFSET ACH	OSJ:0C	Not available when V-LOG is ON and V-LOG PAINT SW is
R GAIN BCH	OSL:3C	Not available when V-LOG is ON and V-LOG PAINT SW is
G GAIN BCH	OSL:3D	Not available when V-LOG is ON and V-LOG PAINT SW is
B GAIN BCH	OSL:3E	Not available when V-LOG is ON and V-LOG PAINT SW is
GAIN OFFSET BCH	OSL:3F	Not available when V-LOG is ON and V-LOG PAINT SW is
FLARE		
FLARE	OSA:11	Not available when V-LOG is ON and V-LOG PAINT SW is
MASTER FLARE	OSL:40	・Not available when V-LOG is ON and V-LOG PAINT SW is OFF. ・Not available when FLARE is OFF.
R FLARE	OSL:41	・Not available when V-LOG is ON and V-LOG PAINT SW is OFF. ・Not available when FLARE is OFF.
G FLARE	OSL:42	・Not available when V-LOG is ON and V-LOG PAINT SW is OFF. ・Not available when FLARE is OFF.
B FLARE	OSL:43	・Not available when V-LOG is ON and V-LOG PAINT SW is OFF. ・Not available when FLARE is OFF.
GAMMA/BLACK GAMMA		
GAMMA	OSA:0A	・Not available when V-LOG is ON. ・Not available when HDR is ON.
GAMMA MODE SELECT	OSJ:D7	・Not available when V-LOG is ON. ・Not available when HDR is ON. ・Not available when GAMMA is OFF.
MASTER GAMMA	OSA:6A	・Not available when V-LOG is ON. ・Not available when HDR is ON. ・Not available when GAMMA is OFF.
R GAMMA	OSI:35	・Not available when V-LOG is ON. ・Not available when HDR is ON. ・Not available when GAMMA is OFF.
B GAMMA	OSI:36	・Not available when V-LOG is ON. ・Not available when HDR is ON. ・Not available when GAMMA is OFF.
BLACK GAMMA	OSA:0B	・Not available when V-LOG is ON. ・Not available when HDR is ON. ・Not available when GAMMA is OFF.
MASTER BLACK GAMMA	OSA:07	・Not available when V-LOG is ON. ・Not available when HDR is ON. ・Not available when GAMMA is OFF. ・Not available when BLACK GAMMA is OFF.
R BLACK GAMMA	OSA:08	・Not available when V-LOG is ON. ・Not available when HDR is ON. ・Not available when GAMMA is OFF. ・Not available when BLACK GAMMA is OFF.
B BLACK GAMMA	OSA:09	・Not available when V-LOG is ON. ・Not available when HDR is ON. ・Not available when GAMMA is OFF. ・Not available when BLACK GAMMA is OFF.
BLACK GAMMA RANGE	OSJ:1B	・Not available when V-LOG is ON. ・Not available when HDR is ON. ・Not available when GAMMA is OFF. ・Not available when BLACK GAMMA is OFF.
INITIAL GAMMA	OSL:44	・Not available when V-LOG is ON. ・Not available when HDR is ON. ・Not available when GAMMA MODE SELECT is NORMAL, CINEMA1, or CINEMA2. ・Not available when GAMMA is OFF.

Menu	Command	Remarks
KNEE		
KNEE	OSL:45	・Not available when V-LOG is ON. ・Not available when HDR is ON.
KNEE MODE	OSL:46 OSA:2D	・Not available when V-LOG is ON. ・Not available when HDR is ON. ・Not available when KNEE is OFF.
KNEE MASTER POINT	OSA:20	・Not available when KNEE MODE is AUTO.
KNEE R POINT	OSA:22	・Not available when KNEE MODE is AUTO.
KNEE B POINT	OSA:23	・Not available when KNEE MODE is AUTO. ・Not available when V-LOG is ON. ・Not available when HDR is ON. ・Not available when KNEE is OFF.
KNEE MASTER SLOPE	OSA:24	・Not available when KNEE MODE is AUTO. ・Not available when V-LOG is ON. ・Not available when HDR is ON. ・Not available when KNEE is OFF.
KNEE R SLOPE	OSA:26	・Not available when KNEE MODE is AUTO. ・Not available when V-LOG is ON. ・Not available when HDR is ON. ・Not available when KNEE is OFF.
KNEE B SLOPE	OSA:27	・Not available when KNEE MODE is AUTO. ・Not available when V-LOG is ON. ・Not available when HDR is ON. ・Not available when KNEE is OFF.
AUTO KNEE RESPONSE	OSG:97	・Not available when V-LOG is ON. ・Not available when HDR is ON. ・Not available when KNEE is OFF.
WHITE CLIP		
WHITE CLIP	OSA:2E	・Not available when V-LOG is ON. ・Not available when HDR is ON.
MASTER WHITE CLIP LEVEL	OSA:2A	・Not available when V-LOG is ON. ・Not available when HDR is ON. ・Not available when WHITE CLIP is OFF.
R WHITE CLIP LEVEL	OSL:47	・Not available when V-LOG is ON. ・Not available when HDR is ON. ・Not available when WHITE CLIP is OFF.
B WHITE CLIP LEVEL	OSL:48	・Not available when V-LOG is ON. ・Not available when HDR is ON. ・Not available when WHITE CLIP is OFF.
HI-COLOR	OSL:49	・Not available when V-LOG is ON. ・Not available when HDR is ON.
HI-COLOR LEVEL	OSL:4A	・Not available when V-LOG is ON. ・Not available when HDR is ON.
DRS		
DRS	OSA:0D	・Not available when V-LOG is ON.
EFFECT DEPTH	OSL:4B	・Not available when V-LOG is ON.
DETAIL SETTING		
DETAIL	ODT	・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
MASTER DETAIL	OSA:30	・Not available when DETAIL is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
PEAK FREQUENCY	OSG:30	・Not available when DETAIL is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
CRISP	OSD:22	・Not available when DETAIL is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
DETAIL GAIN(+)	OSA:38	・Not available when DETAIL is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
DETAIL GAIN(-)	OSA:39	・Not available when DETAIL is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
DETAIL CLIP(+)	OSG:40	・Not available when DETAIL is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
DETAIL CLIP(-)	OSG:41	・Not available when DETAIL is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
KNEE APERTURE LEVEL	OSG:3F	・Not available when DETAIL is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
DETAIL KNEE	OSL:4C	・Not available when DETAIL is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
LEVEL DEPENDENT SW	OSG:3E	・Not available when DETAIL is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
LEVEL DEPENDENT	OSD:26	・Not available when DETAIL is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
DARK DETAIL SW	OSL:4D	・Not available when DETAIL is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
DARK DETAIL	OSL:4E	・Not available when DETAIL is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.

Menu	Command	Remarks
DOWNCON SETTING		
CHROMA		
CHROMA LEVEL SW	OSL:4F	・Not available when FORMAT is not 4K format. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
CHROMA LEVEL	OSL:50	・Not available when FORMAT is not 4K format. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
DETAIL SETTING		
DETAIL	OSJ:14	・Not available when FORMAT is not 4K format. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
MASTER DETAIL	OSJ:15	・Not available when FORMAT is not 4K format. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF. ・Not available when DETAIL is OFF.
H DETAIL LEVEL	OSL:51	・Not available when FORMAT is not 4K format. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF. ・Not available when DETAIL is OFF.
V DETAIL LEVEL	OSJ:17	・Not available when FORMAT is not 4K format. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF. ・Not available when DETAIL is OFF.
PEAK FREQUENCY	OSL:52	・Not available when FORMAT is not 4K format. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF. ・Not available when DETAIL is OFF.
V DETAIL FREQUENCY	OSL:53	・Not available when FORMAT is not 4K format. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF. ・Not available when DETAIL is OFF.
CRISP	OSL:54	・Not available when FORMAT is not 4K format. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF. ・Not available when DETAIL is OFF.
DETAIL CLIP(+)	OSL:57	・Not available when FORMAT is not 4K format. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF. ・Not available when DETAIL is OFF.
DETAIL CLIP(-)	OSL:58	・Not available when FORMAT is not 4K format. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF. ・Not available when DETAIL is OFF.
KNEE APERTURE LEVEL	OSL:5A	・Not available when FORMAT is not 4K format. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF. ・Not available when DETAIL is OFF.
DETAIL KNEE	OSL:5B	・Not available when FORMAT is not 4K format. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF. ・Not available when DETAIL is OFF.
LEVEL DEPENDENT SW	OSL:5C	・Not available when FORMAT is not 4K format. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF. ・Not available when DETAIL is OFF.
LEVEL DEPENDENT	OSL:5D	・Not available when FORMAT is not 4K format. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF. ・Not available when DETAIL is OFF.
DARK DETAIL SW	OSL:5E	・Not available when FORMAT is not 4K format. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF. ・Not available when DETAIL is OFF.
DARK DETAIL	OSL:5F	・Not available when FORMAT is not 4K format. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF. ・Not available when DETAIL is OFF.

Menu	Command	Remarks
SKIN TONE DETAIL SETTING		
SKIN TONE DETAIL	OSL:60	・Not available when FORMAT is not 4K format. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
MEMORY SELECT	OSL:B1	・Not available when FORMAT is not 4K format. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
ZEBRA	OSL:61	・Not available when FORMAT is not 4K format. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF. ・Not available when SKIN TONE DETAIL SETTING - ZEBRA is ON.
ZEBRA EFFECT MEMORY	OSL:62	・Not available when FORMAT is not 4K format. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
SKIN TONE EFFECT MEMORY	OSL:63	・Not available when FORMAT is not 4K format. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
SKIN TONE CRISP	OSL:64	・Not available when FORMAT is not 4K format. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
I CENTER	OSL:65	・Not available when FORMAT is not 4K format. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
I WIDTH	OSL:66	・Not available when FORMAT is not 4K format. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
Q WIDTH	OSL:67	・Not available when FORMAT is not 4K format. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
Q PHASE	OSL:68	・Not available when FORMAT is not 4K format. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
SKIN TONE DETAIL SETTING		
SKIN TONE DETAIL	OSA:40	Not available when V-LOG is ON and V-LOG PAINT SW is
MEMORY SELECT	OSL:69	Not available when V-LOG is ON and V-LOG PAINT SW is
ZEBRA	OSA:49	・Not available when V-LOG is ON and V-LOG PAINT SW is OFF. ・Not available when DOWNCON SETTING - SKIN TONE DETAIL SETTING - ZEBRA is ON.
ZEBRA EFFECT MEMORY	OSL:6A	Not available when V-LOG is ON and V-LOG PAINT SW is
SKIN TONE EFFECT MEMORY	OSG:48	Not available when V-LOG is ON and V-LOG PAINT SW is
SKIN TONE CRISP	OSG:49	Not available when V-LOG is ON and V-LOG PAINT SW is
I CENTER	OSA:45	Not available when V-LOG is ON and V-LOG PAINT SW is
I WIDTH	OSA:46	Not available when V-LOG is ON and V-LOG PAINT SW is
Q WIDTH	OSA:47	Not available when V-LOG is ON and V-LOG PAINT SW is
Q PHASE	OSG:4F	Not available when V-LOG is ON and V-LOG PAINT SW is
LINEAR MATRIX		
PRESET MATRIX	OSE:31	Not available when V-LOG is ON and V-LOG PAINT SW is
MATRIX	OSA:84	Not available when V-LOG is ON and V-LOG PAINT SW is
LINEAR MATRIX	OSL:6C	Not available when V-LOG is ON and V-LOG PAINT SW is
LINEAR TABLE	OSA:OO	Not available when V-LOG is ON and V-LOG PAINT SW is
COLOR CORRECT	OSA:85	Not available when V-LOG is ON and V-LOG PAINT SW is
COLOR CORRECT TABLE	OSL:6E	Not available when V-LOG is ON and V-LOG PAINT SW is
MATRIX (R-G) N	OSD:2F	Not available when V-LOG is ON and V-LOG PAINT SW is
MATRIX (R-G) P	OSL:6F	Not available when V-LOG is ON and V-LOG PAINT SW is
MATRIX (R-B) N	OSD:30	Not available when V-LOG is ON and V-LOG PAINT SW is
MATRIX (R-B) P	OSL:70	Not available when V-LOG is ON and V-LOG PAINT SW is
MATRIX (G-R) N	OSD:31	Not available when V-LOG is ON and V-LOG PAINT SW is
MATRIX (G-R) P	OSL:71	Not available when V-LOG is ON and V-LOG PAINT SW is
MATRIX (G-B) N	OSD:32	Not available when V-LOG is ON and V-LOG PAINT SW is
MATRIX (G-B) P	OSL:72	Not available when V-LOG is ON and V-LOG PAINT SW is
MATRIX (B-R) N	OSD:33	Not available when V-LOG is ON and V-LOG PAINT SW is
MATRIX (B-R) P	OSL:73	Not available when V-LOG is ON and V-LOG PAINT SW is
MATRIX (B-G) N	OSD:34	Not available when V-LOG is ON and V-LOG PAINT SW is
MATRIX (B-G) P	OSL:74	Not available when V-LOG is ON and V-LOG PAINT SW is

Menu	Command	Remarks
COLOR CORRECTION		
PRESET MATRIX	OSE:31	Not available when V-LOG is ON and V-LOG PAINT SW is
MATRIX	OSA:84	Not available when V-LOG is ON and V-LOG PAINT SW is
LINEAR MATRIX	OSL:6C	Not available when V-LOG is ON and V-LOG PAINT SW is
LINEAR TABLE	OSA:00	Not available when V-LOG is ON and V-LOG PAINT SW is
COLOR CORRECT	OSA:85	Not available when V-LOG is ON and V-LOG PAINT SW is
COLOR CORRECT TABLE	OSL:6E	Not available when V-LOG is ON and V-LOG PAINT SW is
G SAT	OSD:8E	・Not available when COLOR CORRECT is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
G CY SAT	OSD:90	・Not available when COLOR CORRECT is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
CY SAT	OSD:92	・Not available when COLOR CORRECT is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
CY B SAT	OSD:94	・Not available when COLOR CORRECT is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
B SAT	OSD:96	・Not available when COLOR CORRECT is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
B MG SAT	OSD:80	・Not available when COLOR CORRECT is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
MG SAT	OSD:82	・Not available when COLOR CORRECT is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
MG R SAT	OSD:84	・Not available when COLOR CORRECT is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
R SAT	OSD:86	・Not available when COLOR CORRECT is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
R YE SAT	OSD:88	・Not available when COLOR CORRECT is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
YE SAT	OSD:8A	・Not available when COLOR CORRECT is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
YE G SAT	OSD:8C	・Not available when COLOR CORRECT is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
G PHASE	OSD:8F	・Not available when COLOR CORRECT is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
G CY PHASE	OSD:91	・Not available when COLOR CORRECT is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
CY PHASE	OSD:93	・Not available when COLOR CORRECT is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
CY B PHASE	OSD:95	・Not available when COLOR CORRECT is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
B PHASE	OSD:97	・Not available when COLOR CORRECT is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
B MG PHASE	OSD:81	・Not available when COLOR CORRECT is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
MG PHASE	OSD:83	・Not available when COLOR CORRECT is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
MG R PHASE	OSD:85	・Not available when COLOR CORRECT is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
R PHASE	OSD:87	・Not available when COLOR CORRECT is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
R YE PHASE	OSD:89	・Not available when COLOR CORRECT is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
YE PHASE	OSD:8B	・Not available when COLOR CORRECT is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.
YE G PHASE	OSD:8D	・Not available when COLOR CORRECT is OFF. ・Not available when V-LOG is ON and V-LOG PAINT SW is OFF.

Menu	Command	Remarks
DNR		
DNR	OSD:3A	Same command is used for the same name menu in V-LOG PAINT.
DNR LEVEL	OSG:B5	・Same command is used for the same name menu in V-LOG PAINT. ・Not available when DNR is OFF.
V-LOG PAINT		
COLOR TEMP SETTING		
COLOR TEMP ACH/BCH		
COLOR TEMP ACH	OSJ:4A OSJ:48 OSJ:49	Same command is used for the same name menu in PAINT - COLOR TEMP SETTING.
R GAIN ACH	OSJ:4B	Same command is used for the same name menu in PAINT - COLOR TEMP SETTING.
B GAIN ACH	OSJ:4C	Same command is used for the same name menu in PAINT - COLOR TEMP SETTING.
G AXIS ACH	OSJ:4D	Same command is used for the same name menu in PAINT - COLOR TEMP SETTING.
COLOR TEMP BCH	OSL:2F OSL:30 OSL:31	Same command is used for the same name menu in PAINT - COLOR TEMP SETTING.
R GAIN BCH	OSL:32	Same command is used for the same name menu in PAINT - COLOR TEMP SETTING.
B GAIN BCH	OSL:33	Same command is used for the same name menu in PAINT - COLOR TEMP SETTING.
G AXIS BCH	OSL:34	Same command is used for the same name menu in PAINT - COLOR TEMP SETTING.
DNR		
DNR	OSD:3A	Same command is used for the same name menu in PAINT - DNR.
DNR LEVEL	OSG:B5	・Same command is used for the same name menu in PAINT - DNR. ・Not available when DNR is OFF.
HDR PAINT		
HLG MODE	OSI:39	Not available when HDR is OFF.
SDR CONVERT MODE	OSI:3A	Not available when HDR is OFF.
GAMMA/BLACK GAMMA		
BLACK GAMMA	OSI:3C	・Not available when HDR is OFF. ・Not available when HLG MODE is FIX.
MASTER BLACK GAMMA	OSI:3D	・Not available when HDR is OFF. ・Not available when HLG MODE is FIX.
R BLACK GAMMA	OSI:3E	・Not available when HDR is OFF. ・Not available when HLG MODE is FIX.
B BLACK GAMMA	OSI:3F	・Not available when HDR is OFF. ・Not available when HLG MODE is FIX.
KNEE		
KNEE	OSI:40	・Not available when HDR is OFF. ・Not available when HLG MODE is FIX.
KNEE POINT	OSI:41	・Not available when HDR is OFF. ・Not available when HLG MODE is FIX.
KNEE SLOPE	OSI:42	・Not available when HDR is OFF. ・Not available when HLG MODE is FIX.
SDR CONVERT		
GAIN	OSI:43	・Not available when HDR is OFF. ・Not available when SDR CONVERT MODE is FIX.
POINT	OSL:88	・Not available when HDR is OFF. ・Not available when SDR CONVERT MODE is FIX.
SLOPE	OSL:89	・Not available when HDR is OFF. ・Not available when SDR CONVERT MODE is FIX.
BLACK OFFSET	OSL:8A	・Not available when HDR is OFF. ・Not available when SDR CONVERT MODE is FIX.
PAINT SWITCH		
FLARE	OSA:11	Not available when V-LOG is ON and V-LOG PAINT SW is
GAMMA	OSA:0A	・Not available when V-LOG is ON and V-LOG PAINT SW is OFF. ・Not available when HDR is ON.
BLACK GAMMA	OSA:0B	・Not available when V-LOG is ON and V-LOG PAINT SW is OFF. ・Not available when HDR is ON.
KNEE	OSL:45	・Not available when V-LOG is ON and V-LOG PAINT SW is OFF. ・Not available when HDR is ON.
WHITE CLIP	OSA:2E	・Not available when V-LOG is ON and V-LOG PAINT SW is OFF. ・Not available when HDR is ON.
DRS	OSA:0D	Not available when V-LOG is ON.
DETAIL	ODT	Not available when V-LOG is ON and V-LOG PAINT SW is
SKIN TONE DETAIL	OSA:40	Not available when V-LOG is ON and V-LOG PAINT SW is
MATRIX	OSA:84	Not available when V-LOG is ON and V-LOG PAINT SW is
LINEAR MATRIX	OSL:6C	Not available when V-LOG is ON and V-LOG PAINT SW is
COLOR CORRECT	OSA:85	Not available when V-LOG is ON and V-LOG PAINT SW is

Menu	Command	Remarks
LENS		
FOCUS MODE	OAF #D1	"OAF" and "#D1" are same command.
AF SENSITIVITY	OSJ:D8	Not available when FOCUS MODE is MANUAL.
ZOOM MODE	OSE:70 OSD:B3	Not available when PRESET PTZ SYNC MODE is ON.
MAX DIGITAL ZOOM	OSE:7A	Not available when ZOOM MODE is i.ZOOM or Opt.ZOOM.
DIGITAL EXTENDER	OSJ:4E	Not available when ZOOM MODE is i.ZOOM or D.ZOOM.
O.I.S.	OSL:8B	
O.I.S. MODE	OSL:8C OIS	
ND FILTER	OFT	Not available when DAY/NIGHT is NIGHT.
MONITOR DISPLAY		
WFM/VECT		
MODE	OSL:8D	Not available when SFP+ MODE is ST2110 JPEG XS.
POSITION	OSL:8E	
STATUS INDICATOR		
RETURN SELECT	OSL:B3	
STATUS(AUTO)	OSA:88	
LEVEL GAUGE	OSL:03 QSL:AF	
TRACKING DATA OUTPUT		
SERIAL	OSJ:54	Not available when FORMAT is 1080/119.88p or 1080/100p.
IP	OSJ:55	Not available when FORMAT is 1080/119.88p or 1080/100p.
INVERT PAN/TILT AXIS	OSJ:C1	
CAMERA ID	OSJ:F4	
CROP		
UHD CROP	OSJ:2E	・3 parameters (OFF, CROP(1080), and CROP(720)) is selectable when FORMAT is 2160/59.94p or 2160/50p. ・2 parameters (OFF and CROP(1080)) is selectable when FORMAT is 2160/29.97p or 2160/25p. ・Not available when FORMAT is the others.
CROP ZOOM	OSJ:92	Not available when UHD CROP is OFF.
CROP AF	OSJ:91	Not available when UHD CROP is OFF.
3G SDI1 OUT	OSI:32	Not available when UHD CROP is OFF.
NDI OUT	OSJ:93	Not available when UHD CROP is OFF.
IP(H.264/H.265) OUT1	OSI:33	Not available when UHD CROP is OFF.
IP(H.264/H.265) OUT2	OSJ:94	Not available when UHD CROP is OFF.
CROP MARKER	OSI:1A	Not available when UHD CROP is OFF.
CROP OUT	OSI:16	Not available when UHD CROP is OFF.
CROP ADJUST	OSI:17	Not available when UHD CROP is OFF.
CROP H POSITION	OSJ:AF OSJ:2F OSJ:31 OSJ:33	Not available when UHD CROP is OFF.
CROP V POSITION	OSJ:B0 OSJ:30 OSJ:32 OSJ:34	Not available when UHD CROP is OFF.
CROP ZOOM RATIO	OSJ:B1 OSJ:98 OSJ:99 OSJ:9A OSJ:9B	・Not available when UHD CROP is OFF. ・Not available when UHD ZOOM is OFF.
PAN/TILT		
INSTALL POSITION	#INS	
SMART PICTURE FLIP	#SPF	
FLIP DETECT ANGLE	#FDA QFS	
P/T SPEED MODE	OSJ:2D	
P/T ACCELERATION SETTING		
P/T ACCELERATION	OSJ:A2	
RISE S-CURVE	OSJ:A3	Not available when UHD P/T ACCELERATION is AUTO.
FALL S-CURVE	OSJ:A4	Not available when UHD P/T ACCELERATION is AUTO.
RISE ACCELERATION	OSJ:A5	Not available when UHD P/T ACCELERATION is AUTO.
FALL ACCELERATION	OSJ:A6	Not available when UHD P/T ACCELERATION is AUTO.
SPEED WITH ZOOM POSITION	#SWZ	
FOCUS ADJUST WITH PTZ.	OAZ	Not available when FOCUS MODE is AUTO.
PRIVACY MODE	OSJ:A7	
POWER ON POSITION	OSJ:45	
PRESET NUMBER	OSJ:46	

Menu	Command	Remarks
PRESET		
PRESET PTZ SYNC MODE	OSL:CE	
PRESET SPEED UNIT	OSJ:29	
PRESET SPEED TABLE	#PST	
PRESET SPEED	#UPVS	
PRESET ACCELERATION SETTING		
PRESET ACCELERATION	OSJ:A8	
RISE S-CURVE	OSJ:A9	・Not available when PRESET ACCELERATION is AUTO. ・Not available when PRESET PTZ SYNC MODE is ON.
FALL S-CURVE	OSJ:AA	・Not available when PRESET ACCELERATION is AUTO. ・Not available when PRESET PTZ SYNC MODE is ON.
RISE ACCELERATION	OSJ:AB	・Not available when PRESET ACCELERATION is AUTO. ・Not available when PRESET SPEED UNIT is TIME.
FALL ACCELERATION	OSJ:AC	・Not available when PRESET ACCELERATION is AUTO. ・Not available when PRESET SPEED UNIT is TIME. ・Not available when PRESET PTZ SYNC MODE is ON.
RISE RAMP TIME	OSJ:AD	・Not available when PRESET ACCELERATION is AUTO. ・Not available when PRESET SPEED UNIT is SPEED TABLE.
FALL RAMP TIME	OSJ:AE	・Not available when PRESET ACCELERATION is AUTO. ・Not available when PRESET SPEED UNIT is SPEED TABLE. ・Not available when PRESET PTZ SYNC MODE is ON.
PRESET SCOPE	OSE:71	
PRESET DIGITAL EXTENDER	OSE:7C	Not available when PRESET PTZ SYNC MODE is ON.
PRESET CROP	OSJ:2A	Not available when UHD CROP is OFF.
PRESET THUMBNAIL UPDATE	OSJ:2B	
PRESET NAME	OSJ:2C	
PRESET IRIS	OSJ:5B	Not available when PRESET SCOPE is MODE C.
PRESET SHUTTER	OSJ:D5	Not available when PRESET SCOPE is MODE B or MODE C.
PRESET ZOOM MODE	OSE:7D	
FREEZE DURING PRESET	#PRF	
FILES		
SCENE FILE		
MODE		
FILE NO		
FILE NAME		
LIST		
EXECUTE	OSL:8F XSF OSL:90 OSL:91	
USER FILE		
MODE		
SCENE UPDATE	OSM:3F	
FILE NO		
FILE NAME		
LIST		
EXECUTE	OSL:92 OSL:93 OSL:94	

Menu	Command	Remarks
MAINTENANCE		
FAN SETTING		
FAN1	#FAN #FS1	
FAN2	#FA2 #FS2	
DATE/TIME		
PRESENT	–	
DATE YY	–	
DATE MM	–	
DATE DD	–	
TIME HH	–	
TIME MM	–	
TIME SS	–	
SET EXECUTE	–	
RESET	–	
INITIALIZE		
MENU INITIALIZE	–	
ALL DATA INITIALIZE	–	
VERSION		
SYSTEM VERSION	QSL:99 QSV	"QSV" command is sent once every 60 seconds as update notification.
HOUR METER		
OPERATION	–	
FAN1	–	
FAN2	–	
HDMI STATUS		
CONNECT	–	
FORMAT	–	
VIDEO SAMPLING	–	
MONITOR	–	
ERROR STATUS	QER OSI:46	
LENS		
PAN/TILT		
FAN1		
FAN2		
TEMPERATURE		
WHITE SHADING		
CORRECT	OSL:9B	
W H SAW R	OSL:9C	
W H SAW G	OSL:9D	
W H SAW B	OSL:9E	
W H PARA R	OSL:9F	
W H PARA G	OSL:A0	
W H PARA B	OSL:A1	
W V SAW R	OSL:A2	
W V SAW G	OSL:A3	
W V SAW B	OSL:A4	
W V PARA R	OSL:A5	
W V PARA G	OSL:A6	
W V PARA B	OSL:A7	
WIRELESS CONTROL		
WIRELESS CONTROL	#WLC	
WIRELESS ID	#RID	
STATUS LAMP		
STATUS LAMP	#LMP	

Commands not linked to menus

Menu	Command	Remarks
BASIC CONFIG		
SYNC STATUS (GEN-LOCK / PTP)	QSL:C7	
AUTO TRACKING MODE	QSL:B6	
TRACKING AUTO FOCUS	OSL:E6	
TRACKING STATUS	QSL:BB	
TRACKING FOCUS POSITION	OSL:E7	
TRACKING FOCUS POSITION RESET	OSL:E9	
LENS		
ZOOM SCALE	QSJ:3D	
DIGITAL ZOOM MAGNIFICATION	OSE:76	
ZOOM SPEED CONTROL	#Z	
ZOOM POSITION CONTROL	#AXZ	
FOCUS SPEED CONTROL	#F	
FOCUS POSITION CONTROL	#AXF	
PUSH AUTO FOCUS	OSE:69	
TOUTCH AF	OSJ:28	
IRIS CONTROL	#AXI	
IRIS CONTROL	#I	
IRIS CONTROL	ORV	
IRIS FOLLOW	QSD:4F	
LENS POSITION INFORMATION	#LPI	
LENS POSITION INFORMATION CONTROL	#LPC	
REQUEST IRIS F NO.	QIF	
REQUEST ZOOM POSITION	#GZ	
REQUEST FOCUS POSITION	#GF	
REQUEST IRIS POSITION	#GI	
FOCUS GUIDE	OSL:C3	Not available when FOCUS MODE is AUTO or UHD CROP is CROP(1080) or CROP(720).
FOCUS GUIDE POSITION	OSL:C4	
FOCUS GUIDE STATUS (WEB UI)	QSL:C5	
FOCUS GUIDE STATUS (DETAIL)	QSL:C6	
CROP		
CROP ZOOM RATIOSPEED CONTROL	OSJ:9C	Not available when UHD CROP is OFF.
CROP ZOOM RATIOSPEED CONTROL(YE)	OSJ:9D	Not available when UHD CROP is OFF.
CROP ZOOM RATIOSPEED CONTROL(G)	OSJ:9E	Not available when UHD CROP is OFF.
CROP ZOOM RATIOSPEED CONTROL(MG)	OSJ:9F	Not available when UHD CROP is OFF.
CROP ZOOM RATIOSPEED CONTROL(YE,G,MG)	OSJ:A1	Not available when UHD CROP is OFF.
GET CROP H/V POSITION (YE, G, MG)	OSJ:60	Not available when UHD CROP is OFF.
CROP H/V POSITIONSPEED CONTROL	OSI:15	Not available when UHD CROP is OFF.
CROP H/V POSITIONSPEED CONTROL(YE)	OSJ:5D	Not available when UHD CROP is OFF.
CROP H/V POSITIONSPEED CONTROL(G)	OSJ:5E	Not available when UHD CROP is OFF.
CROP H/V POSITIONSPEED CONTROL(MG)	OSJ:5F	Not available when UHD CROP is OFF.
CROP H/V POSITIONSPEED CONTROL(YE/G/MG)	OSJ:A0	Not available when UHD CROP is OFF.
CROP POSITION / CROP ZOOM POSITION SPEED CO	OSJ:C2	Not available when UHD CROP is OFF.
REQUEST CROP POSITION / CROP ZOOM POSITION	QSJ:C3	

Menu	Command	Remarks
PAN/TILT		
PAN SPEED CONTROL	#P	
TILT SPEED CONTROL	#T	
P/T SPEED CONTROL	#PTS	
PAN SPEED CONTROL Ex	#HP	
TILT SPEED CONTROL Ex	#HT	
P/T SPEED CONTROL Ex	#HPT	
P/T Absolute Position Control with Speed and acceleration (PT Independent Control)	#HAC	
P/T ABSOLUTE POSITION CONTROL	#APC	
P/T RELATIVE POSITION CONTROL	#RPC	
P/T ABSOLUTE POSITION CONTROL WITH SPEED	#APS	
P/T RELATIVE POSITION CONTROL WITH SPEED	#RPS	
LIMITATION CONTROL	#LC	
LIMITATION CONTROL(TOGGLE)	#L	
CONVINIENT		
GET GAIN/COLOR TEMPERATURE/SHUTTER/ND	#PTG	
GETPAN/TILT/ZOOM/FOCUS/IRIS	#PTV	
GETPAN/TILT/ZOOM/FOCUS/IRIS	#PTD	
PTZF SPEED CONTROL 1	#HV1	
PTZF SPEED CONTROL 2	#HV2	
PTZF ABSOLUTE CONTROL	#HA1	
PRESET		
RECALL PRESET MEMORY	#R	
SAVE PRESET MEMORY	#M	
DELETE PRESET MEMORY	#C	
PRESET ENTRYCONFIRMATION	#PE	
REQUEST LATEST RECALL PRESET NO.	#S	
PRESET COMPLETION NOTIFICATION	q	
SAVE PRESET NAME	OSJ:35	
DELETE PRESET NAME(SINGLE)	OSJ:36	
DELETE PRESET NAME(ALL)	OSJ:37	
UPDATE PRESET THUMBNAIL	OSJ:39	
DELETE PRESET THUMBNAIL(SINGLE)	OSJ:3A	
DELETE PRESET THUMBNAIL(ALL)	OSJ:3B	
PRESET NAME/PRESET THUMBNAIL COUNTER	QSJ:3C	
MAINTENANCE		
ERROR STATUS	#RER	
OSD		
MENU ON/OFF	DUS	
MENU CANCEL	DPG	
MENU ENTER	DIT	
MENU UP(DIAL)	DUP	
MENU DOWN(DIAL)	DDW	
MENU UP	CUP	
MENU DOWN	CDW	
MENU RIGHT	CRT	
MENU LEFT	CLT	
RP		
OPERATION LOCK	OSJ:3E	
RELEASE OPERATION LOCK	OSJ:3F	
OPERATION LOCK STATUS	QSJ:40	
OTHER		
MODEL NUMBER	QID	
CAMERA NUMBER	OSL:AE	
POWER ON / STANDBY	#O	
RESOLUTION CONTROL	#RZL	
CAMERA TITLE	OSJ:5C	

9. Command List
BASIC CONFIG

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
FREQUENCY	Control	OSE:77:[Data]	0 1 2 3 4	59.94Hz 50.00Hz 24.00Hz 23.98Hz 60.00Hz	cam	OSE:77:[Data]	OSE:77:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSE:77:1&res=1 The unit is automatically rebooted after changing settings.
	Response	OSE:77:[Data]						
	Request	QSE:77						
	Response	OSE:77:[Data]						
FORMAT	Control	OSA:87:[Data]	01h 02h 10h 11h 14h 15h 17h 18h 19h 1Ah 1Bh 20h 21h 22h 23h 26h 27h	720/59.94p 720/50p 1080/59.94p 1080/50p 1080/29.97p 1080/25p 2160/29.97p 2160/25p 2160/59.94p 2160/50p 2160/23.98p 1080/60p 2160/24p 1080/24p 1080/23.98p 1080/119.88p 1080/100p	cam	OSA:87:[Data]	OSA:87:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:87:01&res=1 [60Hz] 2160/60p, 1080/60p [59.94Hz] 2160/59.94p, 2160/29.97p, 1080/119.88p, 1080/59.94p, 1080/29.97p, 720/59.94p [50Hz] 2160/50p, 2160/25p, 1080/100p, 1080/50p, 1080/25p, 720/50p [24.00Hz]. 2160/24p, 1080/24p [23.98Hz] 2160/23.98p, 1080/23.98p
	Response	OSA:87:[Data]						
	Request	QSA:87						
	Response	OSA:87:[Data]						
SFP+ MODE	Control	OSL:00:[Data]	0 1 2	12G OUTPUT ST2110/NW IF ST2110 JPEG XS	cam	OSL:00:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:00:1&res=1
	Response	OSL:00:[Data]						
	Request	QSL:00						
	Response	OSL:00:[Data]						
V-LOG	Control	OSJ:56:[Data]	0 1	OFF ON	cam	OSJ:56:[Data]	OSJ:56:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:56:0&res=1
	Response	OSJ:56:[Data]						
	Request	QSJ:56						
	Response	OSJ:56:[Data]						
V-LOG PAINT SW	Control	OSL:01:[Data]	0 1	OFF ON	cam	OSL:01:[Data]	OSL:01:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:01:1&res=1
	Response	OSL:01:[Data]						
	Request	QSL:01						
	Response	OSL:01:[Data]						
HDR	Control	OSI:2C:[Data]	0 1	OFF ON	cam	OSI:2C:[Data]	OSI:2C:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSI:2C:1&res=1
	Response	OSI:2C:[Data]						
	Request	QSI:2C						
	Response	OSI:2C:[Data]						
GAMUT	Control	OSL:02:[Data]	0 1	NORMAL WIDE_G2	cam	OSL:02:[Data]	OSL:02:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:02:1&res=1
	Response	OSL:02:[Data]						
	Request	QSL:02						
	Response	OSL:02:[Data]						
SHOOTING MODE	Control	OSI:30:[Data]	0 1	NORMAL LOW LIGHT	cam	OSI:30:[Data]	OSI:30:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSI:30:0&res=1
	Response	OSI:30:[Data]						
	Request	QSI:30						
	Response	OSI:30:[Data]						
SERIAL BAUD RATE	Control	OVP:04:[Data]	0 1 2	9600bps 38400bps 115200bps	cam	OVP:04:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OVP:04:1&res=1
	Response	OVP:04:[Data]						
	Request	QVP:04						
	Response	OVP:04:[Data]						
BAR	Control	DCB:[Data]	0 1	OFF ON	cam	DCB:[Data]	OBR:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=DCB:1&res=1
	Response	DCB:[Data]						
	Request	QBR						
	Response	OBR:[Data]						
COLOR BAR TYPE	Control	OSD:BA:[Data]	0 1 2	TYPE2:FULL TYPE1:SMPTE TYPE3:ARIB (MULTI)	cam	OSD:BA:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:BA:0&res=1
	Response	OSD:BA:[Data]						
	Request	QSD:BA						
	Response	OSD:BA:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
BAR TONE	Control	OSJ:27:[Data]	0 1	OFF ON	cam	OSJ:27:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:27:0&res=1
	Response	OSJ:27:[Data]						
	Request	QSJ:27						
	Response	OSJ:27:[Data]						
TALLY	Control	#TAE[Data]	0 1	DISABLE ENABLE	ptz	tAE[Data]	tAE[Data]	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23TAE1&res=1
	Response	tAE[Data]						
	Request	#TAE						
	Response	tAE[Data]						
TALLY BRIGHTNESS	Control	OSA:D3:[Data]	0 1 2	LOW MID HIGH	cam	OSA:D3:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:D3:0&res=1
	Response	OSA:D3:[Data]						
	Request	QSA:D3						
	Response	OSA:D3:[Data]						
R-Tally Control	Control	TLR:[Data]	0 1	OFF ON	cam	TLR:[Data]	TLR:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=TLR:1&res=1
	Response	TLR:[Data]						
	Request	QLR						
	Response	OLR:[Data]						
R-Tally Control	Control	#DA[Data]	0 1	OFF ON	ptz	dA[Data]	dA[Data]	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23DA1&res=1
	Response	dA[Data]						
	Request	#DA						
	Response	dA[Data]						
G-Tally Control	Control	TLG:[Data]	0 1	OFF ON	cam	TLG:[Data]	TLG:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=TLG:1&res=1
	Response	TLG:[Data]						
	Request	QLG						
	Response	OLG:[Data]						
Y-Tally Control	Control	TLY:[Data]	0 1	OFF ON	cam	TLY:[Data]	TLY:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=TLY:1&res=1
	Response	TLY:[Data]						
	Request	QLY						
	Response	OLY:[Data]						
TALLY INFORMATION	Control	-	[Data1] 0 1 [Data2] 0 1 [Data3] 0 1 [Data4] 0 1 [Data5] 0 [Data6] 0 1 [Data7] 0 1 [Data8] 0 [Data9] 0 1	[Data1] R-TALLY OFF R-TALLY ON [Data2] WIRED R-TALLY IN OFF WIRED R-TALLY IN ON [Data3] COMMAND R-TALLY IN OFF COMMAND R-TALLY IN ON [Data4] G-TALLY OFF G-TALLY ON [Data5] RESERVE(WIRED G) [Data6] COMMAND G-TALLY IN OFF COMMAND G-TALLY IN ON [Data7] Y-TALLY OFF Y-TALLY ON [Data8] RESERVE(WIRED Y) [Data9] COMMAND Y-TALLY IN OFF COMMAND Y- TALLY IN ON	ptz	tAA[Data1][Data2][Data3][Data4][Data5][Data6][Data7][Data8][Data9]	tAA[Data1][Data2][Data3][Data4][Data5][Data6][Data7][Data8][Data9]	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23TAA&res=1
	Response	-						
	Request	#TAA						
	Response	tAA[Data1][Data2][Data3][Data4][Data5][Data6][Data7][Data8][Data9]						
TALLY GUARD	Control	OSL:04:[Data]	0 1	OFF ON	cam	OSL:04:[Data]	OSL:04:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:04:1&res=1
	Response	OSL:04:[Data]						
	Request	QSL:04						
	Response	OSL:04:[Data]						
TALLY LED LIMIT R	Control	OSJ:D9:[Data]	0 1	UNLIMITED LIMITED	cam	OSJ:D9:[Data]	OSJ:D9:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:D9:0&res=1
	Response	OSJ:D9:[Data]						
	Request	QSJ:D9						
	Response	OSJ:D9:[Data]						
TALLY LED LIMIT G	Control	OSJ:DA:[Data]	0 1	UNLIMITED LIMITED	cam	OSJ:DA:[Data]	OSJ:DA:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:DA:0&res=1
	Response	OSJ:DA:[Data]						
	Request	QSJ:DA						
	Response	OSJ:DA:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
TALLY LED LIMIT Y	Control	OSL:05:[Data]	0 1	UNLIMITED LIMITED	cam	OSL:05:[Data]	OSL:05:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:05:1&res=1
	Response	OSL:05:[Data]						
	Request	QSL:05						
	Response	OSL:05:[Data]						
EXTERNAL OUTPUT1	Control	OSJ:41:[Data]	0 1 2 3	OFF R-TALLY G-TALLY Y-TALLY	cam	OSJ:41:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:41:0&res=1
	Response	OSJ:41:[Data]						
	Request	QSJ:41						
	Response	OSJ:41:[Data]						
EXTERNAL OUTPUT2	Control	OSJ:42:[Data]	0 1 2 3	OFF R-TALLY G-TALLY Y-TALLY	cam	OSJ:42:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:42:0&res=1
	Response	OSJ:42:[Data]						
	Request	QSJ:42						
	Response	OSJ:42:[Data]						
SYNC REF SIGNAL	Control	OSL:08:[Data]	0 1	SDI PTP	cam	OSL:08:[Data]	OSL:08:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:08:1&res=1
	Response	OSL:08:[Data]						
	Request	QSL:08						
	Response	OSL:08:[Data]						
SYNC GEN-LOCK H PHASE-COARSE	Control	OSL:09:[Data]	7Bh - 80h - 85h	-5 - 0 - 5	cam	OSL:09:[Data]	OSL:09:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:09:85&res=1
	Response	OSL:09:[Data]						
	Request	QSL:09						
	Response	OSL:09:[Data]						
SYNC GEN-LOCK H PHASE-FINE	Control	OSL:0A:[Data]	1Ch - 80h - E4h	-100 - 0 - 100	cam	OSL:0A:[Data]	OSL:0A:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:0A:E4&res=1
	Response	OSL:0A:[Data]						
	Request	QSL:0A						
	Response	OSL:0A:[Data]						
SYNC STATUS (GEN-LOCK / PTP)	Control	-	0 1	NO SYNC SYNC	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=QSL:C7&res=1
	Response	-						
	Request	QSL:C7						
	Response	OSL:C7:[Data]						
BAR ID	Control	OSD:BE:[Data]	0 1	OFF ON	cam	OSD:BE:[Data]	OSD:BE:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:BE:1&res=1
	Response	OSD:BE:[Data]						
	Request	QSD:BE						
	Response	OSD:BE:[Data]						
BAR ID BRIGHTNESS	Control	OSL:0B:[Data]	00h - 64h	0% - 100%	cam	OSL:0B:[Data]	OSL:0B:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:0B:64&res=1
	Response	OSL:0B:[Data]						
	Request	QSL:0B						
	Response	OSL:0B:[Data]						
BAR ID ID1 POSITION V	Control	OSL:0C:[Data]	0 - 5	0 - 5	cam	OSL:0C:[Data]	OSL:0C:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:0C:1&res=1
	Response	OSL:0C:[Data]						
	Request	QSL:0C						
	Response	OSL:0C:[Data]						
BAR ID ID1 POSITION H	Control	OSL:0D:[Data]	0h - Fh	0h - Fh	cam	OSL:0D:[Data]	OSL:0D:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:0D:1&res=1
	Response	OSL:0D:[Data]						
	Request	QSL:0D						
	Response	OSL:0D:[Data]						
BAR ID ID1	Control	OSL:0E:[Data]	xxxxxxxx (32 DATA in ASCII CODE)	BAR ID (FIXED 16 CHARACTORS)	cam	OSL:0E:[Data]	OSL:0E:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:0E:4241524944310000000000000000000000&res=1 alphanumeric space ! # % & ' ( ) * + , - . / : ; < = > ? [ ] _ ~
	Response	OSL:0E:[Data]						
	Request	QSL:0E						
	Response	OSL:0E:[Data]						
BAR ID ID2 POSITION V	Control	OSL:0F:[Data]	0 - 5	0 - 5	cam	OSL:0F:[Data]	OSL:0F:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:0F:1&res=1
	Response	OSL:0F:[Data]						
	Request	QSL:0F						
	Response	OSL:0F:[Data]						
BAR ID ID2 POSITION H	Control	OSL:10:[Data]	0h - Fh	0h - Fh	cam	OSL:10:[Data]	OSL:10:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:10:1&res=1
	Response	OSL:10:[Data]						
	Request	QSL:10						
	Response	OSL:10:[Data]						
BAR ID ID2	Control	OSL:11:[Data]	xxxxxxxx (32 DATA in ASCII CODE)	BAR ID (FIXED 16 CHARACTORS)	cam	OSL:11:[Data]	OSL:11:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:11:4241524944320000000000000000000000&res=1 alphanumeric space ! # % & ' ( ) * + , - . / : ; < = > ? [ ] _ ~
	Response	OSL:11:[Data]						
	Request	QSL:11						
	Response	OSL:11:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
BAR ID OFFSET V	Control	OSL:12:[Data]	00h – 59h	0 – 89	cam	OSL:12:[Data]	OSL:12:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:12:01&res=1
	Response	OSL:12:[Data]						
	Request	QSL:12						
	Response	OSL:12:[Data]						
BAR ID OFFSET H	Control	OSL:13:[Data]	00h – 4Fh	0 – 79	cam	OSL:13:[Data]	OSL:13:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:13:01&res=1
	Response	OSL:13:[Data]						
	Request	QSL:13						
	Response	OSL:13:[Data]						
AUTO TRACKING MODE	Control	–	0 1	OFF ON	cam	OSL:B6:[Data]	OSL:B6:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=QSL:B6&res=1
	Response	–						
	Request	QSL:B6						
	Response	OSL:B6:[Data]						
TRACKING AUTO FOCUS	Control	OSL:E6:[Data]	0 1	OFF ON	cam	OSL:E6:[Data]	OSL:E6:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:E6:1&res=1
	Response	OSL:E6:[Data]						
	Request	QSL:E6						
	Response	OSL:E6:[Data]						
TRACKING STATUS	Control	–	0 1 2	NOT TRACKING TRACKING LOST	cam	OSL:BB:[Data]	OSL:BB:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=QSL:BB&res=1
	Response	–						
	Request	QSL:BB						
	Response	OSL:BB:[Data]						
TRACKING FOCUS POSITION	Control	OSL:E7:[Data1]:[Data2] :[Data3]:[Data4]	[Data1] 00h – 64h [Data2] 00h – 64h [Data3] 00h 01h [Data4] 0 1	[Data1]AF POSI. H 0% – 100% [Data2]AF POSI. V 0% – 100% [Data3]AF AREA SIZE 0(SMALL) 1(BIG) [Data4]Pause position AF AF STOP	cam	–	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:E7:32:32:01:0&res=1
	Response	OSL:E7:[Data1]:[Data2] :[Data3]:[Data4]						
	Request	–						
	Response	–						
TRACKING FOCUS POSITION RESET	Control	OSL:E9:[Data1]	1	RESET	cam	–	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:E9:1&res=1
	Response	OSL:E9:[Data1]						
	Request	–						
	Response	–						

※There are two type of command type "ptz"is Pan-Tilt head Control and "cam" is for camera control

OUTPUT

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
12G SDI OUT/SFP+ FORMAT SELECT	Control	OSJ:1E:[Data]	01h 02h 04h 05h 10h 11h 14h 15h 17h 18h 19h 1Ah 1Bh 20h 21h 22h 23h	720/59.94p 720/50p 1080/59.94i 1080/50i 1080/59.94p 1080/50p 1080/29.97p 1080/25p 2160/29.97p 2160/25p 2160/59.94p 2160/50p 2160/23.98p 1080/60p 2160/24p 1080/24p 1080/23.98p	cam	OSJ:1E:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:1E:1&res=1 [60Hz] 2160/60p, 1080/60p [59.94Hz] 2160/59.94p, 2160/29.97p, 1080/59.94p, 1080/59.94i, 1080/29.97p, 720/59.94p [50Hz] 2160/50p, 2160/25p, 1080/50p, 1080/50i, 1080/25p, 720/50p [24.00Hz] 2160/24p, 1080/24p [23.98Hz] 2160/23.98p, 1080/23.98p
	Response	OSJ:1E:[Data]						
	Request	QSJ:1E						
	Response	OSJ:1E:[Data]						
12G SDI OUT/SFP+ OUTPUT ITEM	Control	OSL:14:[Data]	0 1	MENU ONLY STATUS	cam	OSL:14:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:14:1&res=1
	Response	OSL:14:[Data]						
	Request	QSL:14						
	Response	OSL:14:[Data]						
12G SDI OUT/SFP+ HDR OUTPUT SELECT	Control	OSJ:1F:[Data]	0 1 2	SDR(709) HDR(2020) HDR(709)	cam	OSJ:1F:[Data]	OSJ:1F:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:1F:0&res=1
	Response	OSJ:1F:[Data]						
	Request	QSJ:1F						
	Response	OSJ:1F:[Data]						
12G SDI OUT/SFP+ V-LOG OUTPUT SELECT	Control	OSJ:57:[Data]	0 1	V-LOG V709	cam	OSJ:57:[Data]	OSJ:57:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:57:0&res=1
	Response	OSJ:57:[Data]						
	Request	QSJ:57						
	Response	OSJ:57:[Data]						
12G SDI OUT/SFP+ 3G SDI	Control	OSJ:20:[Data]	0 1	LEVEL-A LEVEL-B	cam	OSJ:20:[Data]	OSJ:20:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:20:0&res=1
	Response	OSJ:20:[Data]						
	Request	QSJ:20						
	Response	OSJ:20:[Data]						
CHAR	Control	OSE:7B:[Data]	00h 01h 02h 10h 20h 40h	00h:OSD MIX OFF 01h:3G SDI1 ON 02h:HDMI ON 10h:IP/NDI|HX ON 20h:12G SDI ON 40h:3G SDI2/PM ON	cam	OSE:7B:[Data]	OSE:7B:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSE:7B:B3&res=1 bit0:3G SDI bit1:HDMI bit2:reserve bit3:reserve bit4 : IP/NDI|HX bit5:12G SDI bit6:3G SDI2/PM bit7:NDI
	Response	OSE:7B:[Data]						
	Request	QSE:7B						
	Response	OSE:7B:[Data]						
3G SDI OUT1 FORMAT SELECT	Control	OSJ:21:[Data]	01h 02h 04h 05h 10h 11h 14h 15h 20h 22h 23h	720/59.94p 720/50p 1080/59.94i 1080/50i 1080/59.94p 1080/50p 1080/29.97p 1080/25p 1080/60p 1080/24p 1080/23.98p	cam	OSJ:21:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:21:1&res=1 [60Hz] 1080/60p [59.94Hz] 1080/59.94p, 1080/59.94i, 1080/29.97p, 720/59.94p [50Hz] 1080/50p, 1080/50i, 1080/25p, 720/50p [24.00Hz] 1080/24p [23.98Hz] 1080/23.98p
	Response	OSJ:21:[Data]						
	Request	QSJ:21						
	Response	OSJ:21:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
3G SDI OUT1 HDR OUTPUT SELECT	Control	OSJ:22:[Data]	0 1 2	SDR(709) HDR(2020) HDR(709)	cam	OSJ:22:[Data]	OSJ:22:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:22:0&res=1
	Response	OSJ:22:[Data]						
	Request	QSJ:22						
	Response	OSJ:22:[Data]						
3G SDI OUT1 V-LOG OUTPUT SELECT	Control	OSJ:58:[Data]	0 1	V-LOG V709	cam	OSJ:58:[Data]	OSJ:58:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:58:0&[res=1
	Response	OSJ:58:[Data]						
	Request	QSJ:58						
	Response	OSJ:58:[Data]						
3G SDI OUT1 OUTPUT ITEM	Control	OSL:15:[Data]	0 1	MENU ONLY STATUS	cam	OSL:15:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:15:1&res=1
	Response	OSL:15:[Data]						
	Request	QSL:15						
	Response	OSL:15:[Data]						
3G SDI OUT1 3G SDI	Control	OSI:29:[Data]	0 1	LEVEL-A LEVEL-B	cam	OSI:29:[Data]	OSI:29:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSI:29:0&res=1
	Response	OSI:29:[Data]						
	Request	QSI:29						
	Response	OSI:29:[Data]						
3G SDI OUT2/PM OUTPUT SELECT	Control	OSL:17:[Data]	0 1	CAM RETURN	cam	OSL:17:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:17:1&res=1
	Response	OSL:17:[Data]						
	Request	QSL:17						
	Response	OSL:17:[Data]						
3G SDI OUT2/PM FORMAT SELECT	Control	OSJ:23:[Data]	01h 02h 04h 05h 10h 11h 14h 15h 20h 22h 23h	720/59.94p 720/50p 1080/59.94i 1080/50i 1080/59.94p 1080/50p 1080/29.97p 1080/25p 1080/60p 1080/24p 1080/23.98p	cam	OSJ:23:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:23:1&res=1 [60Hz] 1080/60p [59.94Hz] 1080/59.94p, 1080/59.94i, 1080/29.97p, 720/59.94p [50Hz] 1080/50p, 1080/50i, 1080/25p, 720/50p [24.00Hz] 1080/24p [23.98Hz] 1080/23.98p
	Response	OSJ:23:[Data]						
	Request	QSJ:23						
	Response	OSJ:23:[Data]						
3G SDI OUT2/PM HDR OUTPUT SELECT	Control	OSJ:24:[Data]	0 1 2	SDR(709) HDR(2020) HDR(709)	cam	OSJ:24:[Data]	OSJ:24:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:24:0&res=1
	Response	OSJ:24:[Data]						
	Request	QSJ:24						
	Response	OSJ:24:[Data]						
3G SDI OUT2/PM V-LOG OUTPUT SELECT	Control	OSJ:59:[Data]	0 1	V-LOG V709	cam	OSJ:59:[Data]	OSJ:59:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:59:0&[res=1
	Response	OSJ:59:[Data]						
	Request	QSJ:59						
	Response	OSJ:59:[Data]						
3G SDI OUT2/PM OUTPUT ITEM	Control	OSL:18:[Data]	0 1	MENU ONLY STATUS	cam	OSL:18:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:18:1&res=1
	Response	OSL:18:[Data]						
	Request	QSL:18						
	Response	OSL:18:[Data]						
3G SDI OUT2/PM 3G SDI	Control	OSL:1A:[Data]	0 1	LEVEL-A LEVEL-B	cam	OSL:1A:[Data]	OSL:1A:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:1A:1&res=1
	Response	OSL:1A:[Data]						
	Request	QSL:1A						
	Response	OSL:1A:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
HDMI FORMAT SELECT	Control	OSJ:25:[Data]	01h 02h 04h 05h 10h 11h 14h 15h 17h 18h 19h 1Ah 1Bh 20h 21h 22h 23h 26h 27h	720/59.94p 720/50p 1080/59.94i 1080/50i 1080/59.94p 1080/50p 1080/29.97p 1080/25p 2160/29.97p 2160/25p 2160/59.94p 2160/50p 2160/23.98p 1080/60p 2160/24p 1080/24p 1080/23.98p 1080/119.88p 1080/100p	cam	OSJ:25:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:25:1&res=1 [60Hz] 2160/60p, 1080/60p [59.94Hz] 2160/59.94p, 2160/29.97p, 1080/119.88p, 1080/59.94p, 1080/59.94i, 1080/29.97p, 720/59.94p [50Hz] 2160/50p, 2160/25p, 1080/100p, 1080/50p, 1080/50i, 1080/25p, 720/50p [24.00Hz] 2160/24p, 1080/24p [23.98Hz] 2160/23.98p, 1080/23.98p
	Response	OSJ:25:[Data]						
	Request	QSJ:25						
	Response	OSJ:25:[Data]						
HDMI HDR OUTPUT SELECT	Control	OSJ:26:[Data]	0 1 2	SDR(709) HDR(2020) HDR(709)	cam	OSJ:26:[Data]	OSJ:26:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:26:0&res=1
	Response	OSJ:26:[Data]						
	Request	QSJ:26						
	Response	OSJ:26:[Data]						
HDMI V-LOG OUTPUT SELECT	Control	OSJ:5A:[Data]	0 1	V-LOG V709	cam	OSJ:5A:[Data]	OSJ:5A:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:5A:0&[res=1
	Response	OSJ:5A:[Data]						
	Request	QSJ:5A						
	Response	OSJ:5A:[Data]						
HDMI VIDEO SAMPLING	Control	OSE:68:[Data]	2 4	4:2:2/10bit 4:2:0/8bit	cam	OSE:68:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSE:68:2&res=1
	Response	OSE:68:[Data]						
	Request	QSE:68						
	Response	OSE:68:[Data]						

RETURN

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
RETURN ID	Control	OSL:1B:[Data]	xxxxxxxx (10 DATA in ASCII CODE)	RETURN ID (FIXED 5 CHARACTORS)	cam	OSL:1B:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:1B:5245542E31&res=1 alphanumeric space ! # % & ' ( ) * + , - . / : ; < = > ? [ ] _ ~
	Response	OSL:1B:[Data]						
	Request	QSL:1B						
	Response	OSL:1B:[Data]						

AUDIO

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
AUDIO	Control	OSA:D0:[Data]	0 1	OFF ON	cam	OSA:D0:[Data]	OSA:D0:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:D0:1&res=1
	Response	OSA:D0:[Data]						
	Request	QSA:D0						
	Response	OSA:D0:[Data]						
AUDIO INPUT SETTING INPUT SELECT	Control	OSL:1C:[Data1]:[Data2]	[Data1] 0 1 [Data2] 0 1 2	[Data1] INPUT1 INPUT2 [Data2] LINE MIC MIC+48V	cam	OSL:1C:[Data1]:[Data2]	OSL:1C:0:[Data2] OSL:1C:1:[Data2]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:1C:1:2&res=1
	Response	OSL:1C:[Data1]:[Data2]						
	Request	QSL:1C:[Data1]						
	Response	OSL:1C:[Data1]:[Data2]						
AUDIO INPUT SETTING MIC GAIN	Control	OSL:1D:[Data1]:[Data2]	[Data1] 0 1 [Data2] 0 1	[Data1] INPUT1 INPUT2 [Data2] 60dB 40dB	cam	OSL:1D:[Data1]:[Data2]	OSL:1D:0:[Data2] OSL:1D:1:[Data2]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:1D:0:1&res=1
	Response	OSL:1D:[Data1]:[Data2]						
	Request	QSL:1D:[Data1]						
	Response	OSL:1D:[Data1]:[Data2]						
AUDIO INPUT SETTING LINE LEVEL	Control	OSA:D4:[Data1]:[Data2]	[Data1] 0 1 [Data2] 0 1	[Data1] INPUT1 INPUT2 [Data2] +4dB 0dB	cam	OSA:D4:[Data1]:[Data2]	OSA:D4:0:[Data2] OSA:D4:1:[Data2]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:D4:0:1&res=1
	Response	OSA:D4:[Data1]:[Data2]						
	Request	QSA:D4:[Data1]						
	Response	OSA:D4:[Data1]:[Data2]						
AUDIO OUTPUT SETTING CH SELECT	Control	OSL:1E:[Data]	0 1 2	INPUT1/INPUT2 INPUT1 INPUT2	cam	OSL:1E:[Data]	OSL:1E:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:1E:1&res=1
	Response	OSL:1E:[Data]						
	Request	QSL:1E						
	Response	OSL:1E:[Data]						
AUDIO OUTPUT SETTING VOLUME LEVEL	Control	OSA:D5:[Data1]:[Data2]	[Data1] 0 1 [Data2] 58h – 80h – 94h	[Data1] CH1 CH2 [Data2] -40dB – 0dB – 20dB	cam	OSA:D5:[Data1]:[Data2]	OSA:D5:0:[Data2] OSA:D5:1:[Data2]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:D5:0:5C&res=1
	Response	OSA:D5:[Data1]:[Data2]						
	Request	QSA:D5:[Data1]						
	Response	OSA:D5:[Data1]:[Data2]						
AUDIO OUTPUT SETTING HEAD ROOM	Control	OSA:D6:[Data]	0 1 2	FS-12dB FS-18dB FS-20dB	cam	OSA:D6:[Data]	OSA:D6:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:D6:1&res=1
	Response	OSA:D6:[Data]						
	Request	QSA:D6						
	Response	OSA:D6:[Data]						

IPSIGNAL

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
NDI FORMAT SELECT	Control	OSL:21:[Data]	01h 02h 10h 11h 14h 15h 17h 18h 19h 1Ah 1Bh 20h 21h 22h 23h	720/59.94p 720/50p 1080/59.94p 1080/50p 1080/29.97p 1080/25p 2160/29.97p 2160/25p 2160/59.94p 2160/50p 2160/23.98p 1080/60p 2160/24p 1080/24p 1080/23.98p	cam	OSL:21:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:21:01&res=1 [60Hz] 2160/60p, 1080/60p [59.94Hz] 2160/59.94p, 2160/29.97p, 1080/59.94p, 1080/29.97p, 720/59.94p [50Hz] 2160/50p, 2160/25p, 1080/50p, 1080/25p, 720/50p [24.00Hz] 2160/24p, 1080/24p [23.98Hz] 2160/23.98p, 1080/23.98p
	Response	OSL:21:[Data]						
	Request	QSL:21						
	Response	OSL:21:[Data]						
IP(H.264/H.265) OUTPUT ITEM	Control	OSL:23:[Data]	0 1	MENU ONLY STATUS	cam	OSL:23:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:23:1&res=1
	Response	OSL:23:[Data]						
	Request	QSL:23						
	Response	OSL:23:[Data]						
ST2110 MAIN VIDEO TX FORMAT	Control	OSL:AA:[Data]	01h 02h 04h 05h 10h 11h 14h 15h 20h 22h 23h	720/59.94p 720/50p 1080/59.94i 1080/50i 1080/59.94p 1080/50p 1080/29.97p 1080/25p 1080/60p 1080/24p 1080/23.98p	cam	OSL:AA:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:AA:01&res=1
	Response	OSL:AA:[Data]						
	Request	QSL:AA	01h 02h 04h 05h 10h 11h 14h 15h 20h 22h 23h FFh	720/59.94p 720/50p 1080/59.94i 1080/50i 1080/59.94p 1080/50p 1080/29.97p 1080/25p 1080/60p 1080/24p 1080/23.98p DISABLE				
	Response	OSL:AA:[Data]						
ST2110 CROP VIDEO TX FORMAT	Control	-	01h 02h 04h 05h 10h 11h 14h 15h 20h 22h 23h FFh	720/59.94p 720/50p 1080/59.94i 1080/50i 1080/59.94p 1080/50p 1080/29.97p 1080/25p 1080/60p 1080/24p 1080/23.98p DISABLE	cam	OSL:AC:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=QSL:AC&res=1
	Response	-						
	Request	QSL:AC						
	Response	OSL:AC:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
ST2110 MONITOR VIDEO TX FORMAT	Control	-	01h 02h 04h 05h 10h 11h 14h 15h 20h 22h 23h FFh	720/59.94p 720/50p 1080/59.94i 1080/50i 1080/59.94p 1080/50p 1080/29.97p 1080/25p 1080/60p 1080/24p 1080/23.98p DISABLE	cam	OSL:AD:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=QSL:AD&res=1
	Response	-						
	Request	QSL:AD						
	Response	OSL:AD:[Data]						
ST2110 RET VIDEO RX FORMAT	Control	OSL:B4:[Data]	04h 05h 10h 11h 14h 15h 20h 22h 23h	1080/59.94i 1080/50i 1080/59.94p 1080/50p 1080/29.97p 1080/25p 1080/60p 1080/24p 1080/23.98p	cam	OSL:B4:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=QSL:B4&res=1
	Response	OSL:B4:[Data]						
	Request	QSL:B4	04h 05h 10h 11h 14h 15h 20h 22h 23h FFh	1080/59.94i 1080/50i 1080/59.94p 1080/50p 1080/29.97p 1080/25p 1080/60p 1080/24p 1080/23.98p DISABLE				
	Response	OSL:B4:[Data]						
ST2110 JPEG XS TX VIDEO SELECT	Control	OSL:C8:[Data]	0 1	MAIN CROP	cam	OSL:C8:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:C8:1&res=1
	Response	OSL:C8:[Data]						
	Request	QSL:C8						
	Response	OSL:C8:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
ST2110 MAIN VIDEO JPEG XS TX FORMAT	Control	OSL:C9:[Data]	10h 11h 14h 15h 17h 18h 19h 1Ah 1Bh 1Fh 20h 21h 22h 23h	1080/59.94p 1080/50p 1080/29.97p 1080/25p 2160/29.97p 2160/25p 2160/59.94p 2160/50p 2160/23.98p 2160/60p 1080/60p 2160/24p 1080/24p 1080/23.98p	cam	OSL:C9:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=QSL:C9&res=1
	Response	OSL:C9:[Data]						
	Request	QSL:C9	10h 11h 14h 15h 17h 18h 19h 1Ah 1Bh 1Fh 20h 21h 22h 23h FFh	1080/59.94p 1080/50p 1080/29.97p 1080/25p 2160/29.97p 2160/25p 2160/59.94p 2160/50p 2160/23.98p 2160/60p 1080/60p 2160/24p 1080/24p 1080/23.98p DISABLE				
	Response	OSL:C9:[Data]						
ST2110 CROP VIDEO JPEG XS TX FORMAT	Control	OSL:CA:[Data]	10h 11h 14h 15h 20h 22h 23h	1080/59.94p 1080/50p 1080/29.97p 1080/25p 1080/60p 1080/24p 1080/23.98p	cam	OSL:CA:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=QSL:CA&res=1
	Response	OSL:CA:[Data]						
	Request	QSL:CA	10h 11h 14h 15h 20h 22h 23h FFh	1080/59.94p 1080/50p 1080/29.97p 1080/25p 1080/60p 1080/24p 1080/23.98p DISABLE				
	Response	OSL:CA:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
ST2110 RET VIDEO JPEG XS RX FORMAT	Control	OSL:CB:[Data]	04h 05h 10h 11h 14h 15h 20h 22h 23h	1080/59.94i 1080/50i 1080/59.94p 1080/50p 1080/29.97p 1080/25p 1080/60p 1080/24p 1080/23.98p	cam	OSL:CB:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=QSL:CB&res=1
	Response	OSL:CB:[Data]						
	Request	QSL:CB	04h 05h 10h 11h 14h 15h 20h 22h 23h FFh	1080/59.94i 1080/50i 1080/59.94p 1080/50p 1080/29.97p 1080/25p 1080/60p 1080/24p 1080/23.98p DISABLE				
	Response	OSL:CB:[Data]						

PAINT

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
GAIN	Control	OSL:25:[Data]	02h – 08h – 14h	-6dB – 0dB – 12dB	cam	OSL:25:[Data]	OSL:25:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:25:0A&res=1
	Response	OSL:25:[Data]						
	Request	QSL:25						
	Response	OSL:25:[Data]						
AGC	Control	OSL:26:[Data]	0 1	OFF ON	cam	OSL:26:[Data]	OSL:26:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:26:1&res=1
	Response	OSL:26:[Data]						
	Request	QSL:26						
	Response	OSL:26:[Data]						
GAIN	Control	OGU:[Data]	02h – 08h – 14h 80h	-6dB – 0dB – 12dB AGC ON	cam	OGU:[Data]	OGU:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OGU:08&res=1
	Response	OGU:[Data]						
	Request	QGU						
	Response	OGU:[Data]						
AGC MAX GAIN	Control	OSD:69:[Data]	01 02	6dB 12dB	cam	OSD:69:[Data]	OSD:69:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:69:01&res=1
	Response	OSD:69:[Data]						
	Request	QSD:69						
	Response	OSD:69:[Data]						
FRAME MIX SW	Control	OSL:27:[Data]	0 1	OFF ON	cam	OSL:27:[Data]	OSL:27:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:27:1&res=1
	Response	OSL:27:[Data]						
	Request	QSL:27						
	Response	OSL:27:[Data]						
FRAME MIX	Control	OSL:28:[Data]	06h 0Ch 12h 18h	+6dB +12dB +18dB +24dB	cam	OSL:28:[Data]	OSL:28:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:28:0C&res=1
	Response	OSL:28:[Data]						
	Request	QSL:28						
	Response	OSL:28:[Data]						
FRAME MIX	Control	OSA:65:[Data]	00h 06h 0Ch 12h 18h	OFF +6dB +12dB +18dB +24dB	cam	OSA:65:[Data]	OSA:65:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:65:00&res=1
	Response	OSA:65:[Data]						
	Request	QSA:65						
	Response	OSA:65:[Data]						
DAY/NIGHT	Control	#D6[Data]	0 1	OFF ON	ptz	d6[Data]	d6[Data]	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23D60&res=1
	Response	d6[Data]						
	Request	#D6						
	Response	d6[Data]						
AUTO IRIS	Control	ORS:[Data]	0 1	OFF ON	cam	ORS:[Data]	ORS:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=ORS:1&res=1
	Response	ORS:[Data]						
	Request	QRS						
	Response	ORS:[Data]						
AUTO IRIS	Control	#D3[Data]	0 1	OFF ON	ptz	d3[Data]	d3[Data]	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23D30&res=1
	Response	d3[Data]						
	Request	#D3						
	Response	d3[Data]						
IRIS WINDOW SELECT	Control	OSJ:02:[Data]	1 2 3 4 5	1 2 3 4 5	cam	OSJ:02:[Data]	OSJ:02:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:02:1&res=1
	Response	OSJ:02:[Data]						
	Request	QSJ:02						
	Response	OSJ:02:[Data]						
AUTO IRIS WINDOW	Control	OSL:CC:[Data]	0 1	OFF ON	cam	OSL:CC:[Data]	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:CC:1&res=1
	Response	OSL:CC:[Data]						
	Request	QSL:CC						
	Response	OSL:CC:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
AUTO IRIS WINDOW POSITION	Control	OSL:CD:[Data1]:[Data2]:[Data3]:[Data4]	[Data1] 00h – 08h [Data2] 00h – 04h [Data3] 00h – 08h [Data4] 00h – 04h	[Data1]UPPER LEFT(H) 0 – 8 [Data2]UPPER LEFT(V) 0 – 4 [Data3]BOTTOM RIGHT(H) 0 – 8 [Data4]BOTTOM RIGHT(V) 0 – 4	cam	OSL:CD:[Data1]:[Data2]:[Data3]:[Data4]	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:CD:0:0:8:4&res=1
	Response	OSL:CD:[Data1]:[Data2]:[Data3]:[Data4]						
	Request	QSL:CD						
	Response	OSL:CD:[Data1]:[Data2]:[Data3]:[Data4]						
PICTURE LEVEL	Control	OSD:48:[Data]	00h – 32h – 64h	-50 – 0 – 50	cam	OSD:48:[Data]	OSD:48:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:48:32&res=1
	Response	OSD:48:[Data]						
	Request	QSD:48						
	Response	OSD:48:[Data]						
IRIS PEAK RATIO	Control	OSL:29:[Data]	00h – 64h	0 – 100	cam	OSL:29:[Data]	OSL:29:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:29:64&res=1
	Response	OSL:29:[Data]						
	Request	QSL:29						
	Response	OSL:29:[Data]						
AUTO IRIS CLOSE LIMIT	Control	OSJ:C0:[Data]	0 1 2 3	NORMAL F8 F7 F5.6	cam	OSJ:C0:[Data]	OSJ:C0:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:C0:0&res=1
	Response	OSJ:C0:[Data]						
	Request	QSJ:C0						
	Response	OSJ:C0:[Data]						
IRIS SPEED	Control	OSJ:01:[Data]	0 1 2	1 2 3	cam	OSJ:01:[Data]	OSJ:01:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:01:0&res=1
	Response	OSJ:01:[Data]						
	Request	QSJ:01						
	Response	OSJ:01:[Data]						
ATW	Control	OSL:2A:[Data]	0 1	OFF ON	cam	OSL:2A:[Data]	OSL:2A:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:2A:1&res=1
	Response	OSL:2A:[Data]						
	Request	QSL:2A						
	Response	OSL:2A:[Data]						
WHITE BALANCE MODE	Control	OSL:2B:[Data]	0 1 2 3 4	AWB A AWB B PRESET 3200K PRESET 5600K VAR	cam	OSL:2B:[Data]	OSL:2B:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:2B:1&res=1
	Response	OSL:2B:[Data]						
	Request	QSL:2B						
	Response	OSL:2B:[Data]						
WHITE BALANCE MODE	Control	OAW:[Data]	0 1 2 3 4 5 9	ATW AWC A AWC B --- PRESET 3200K PRESET 5600K VAR	cam	OAW:[Data]	OAW:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OAW:1&res=1
	Response	OAW:[Data]						
	Request	QAW	0 1 2 3 4 5 9	ATW --- AWC A AWC B PRESET 3200K PRESET 5600K VAR				
	Response	OAW:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
AWB	Control	OWS	-	-	cam	OWS ER3:OWS	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OWS&res=1 See chapter 6 for AWB execution sequence
	Response	OWS						
	Request	-						
	Response	-						
ABB	Control	OAS	-	-	cam	OAS ER3:OAS	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OAS&res=1
	Response	OAS						
	Request	-						
	Response	-						
W.BAL VAR	Control	OSI:20:[Data1]:[Data2]	[Data1] 007D0h - 03A98h [Data2] 0h	[Data1] 2000K - 15000K [Data2] VALID	cam	OSI:20:[Data1]:[Data2]	OSI:20:0x[Data1]:[Data2]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSI:20:007D0&res=1
	Response	OSI:20:[Data1]:[Data2]						
	Request	QSI:20						
	Response	OSI:20:[Data1]:[Data2]						
W.BAL VAR INC	Control	OSI:1E:[Data]	1h - Ah	1 - 10	cam	OSI:1E:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSI:1E:1&res=1 Increases the W.BAL VAR by [Data] steps.
	Response	OSI:1E:[Data]						
	Request	-						
	Response	-						
W.BAL VAR DEC	Control	OSI:1F:[Data]	1h - Ah	1 - 10	cam	OSI:1F:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSI:1F:1&res=1 Decreases the W.BAL VAR by [Data] steps.
	Response	OSI:1F:[Data]						
	Request	-						
	Response	-						
ATW SPEED	Control	OSI:25:[Data]	0 1 2	NORMAL SLOW FAST	cam	OSI:25:[Data]	OSI:25:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSI:25:0&res=1
	Response	OSI:25:[Data]						
	Request	QSI:25						
	Response	OSI:25:[Data]						
ATW TARGET R	Control	OSJ:0D:[Data]	76h - 80h - 8Ah	-10 - 0 - +10	cam	OSJ:0D:[Data]	OSJ:0D:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:0D:80&res=1
	Response	OSJ:0D:[Data]						
	Request	QSJ:0D						
	Response	OSJ:0D:[Data]						
ATW TARGET B	Control	OSJ:0E:[Data]	76h - 80h - 8Ah	-10 - 0 - +10	cam	OSJ:0E:[Data]	OSJ:0E:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:0E:80&res=1
	Response	OSJ:0E:[Data]						
	Request	QSJ:0E						
	Response	OSJ:0E:[Data]						
SHOCKLESS WB SW	Control	OSL:2C:[Data]	0 1	OFF ON	cam	OSL:2C:[Data]	OSL:2C:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:2C:1&res=1
	Response	OSL:2C:[Data]						
	Request	QSL:2C						
	Response	OSL:2C:[Data]						
SHOCKLESS WB SPEED	Control	OSL:2D:[Data]	1 - 5	1 - 5	cam	OSL:2D:[Data]	OSL:2D:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:2D:1&res=1
	Response	OSL:2D:[Data]						
	Request	QSL:2D						
	Response	OSL:2D:[Data]						
SHUTTER SW	Control	OSG:59:[Data]	0 1	OFF ON	cam	OSG:59:[Data]	OSG:59:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSG:59:1&res=1
	Response	OSG:59:[Data]						
	Request	QSG:59						
	Response	OSG:59:[Data]						
AUTO SHUTTER	Control	OSL:2E:[Data]	0 1	OFF ON	cam	OSL:2E:[Data]	OSL:2E:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:2E:1&res=1
	Response	OSL:2E:[Data]						
	Request	QSL:2E						
	Response	OSL:2E:[Data]						
SHUTTER MODE	Control	OSG:5A:[Data]	0 1	STEP SYNCHRO	cam	OSG:5A:[Data]	OSG:5A:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSG:5A:1&res=1
	Response	OSG:5A:[Data]						
	Request	QSG:5A						
	Response	OSG:5A:[Data]						
SHUTTER MODE	Control	OSJ:03:[Data]	0 1 2 3	OFF STEP SYNCHRO ELC	cam	OSJ:03:[Data]	OSJ:03:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:03:1&res=1
	Response	OSJ:03:[Data]						
	Request	QSJ:03						
	Response	OSJ:03:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
AUTO SHUTTER LIMIT	Control	OSD:BF:[Data]	2 3 4	1/100 1/120 1/250	cam	OSD:BF:[Data]	OSD:BF:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:BF:2&res=1
	Response	OSD:BF:[Data]						
	Request	QSD:BF						
	Response	OSD:BF:[Data]						
SHUTTER SPEED	Control	OSJ:06:[Data]	0001h – 07D0h	1/1 – 1/2000	cam	OSJ:06:[Data]	OSJ:06:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:06:003C&res=1 Specify the denominator value of [Parameter] in [Data] (hexadecimal) The following parameters can be set. If anything other than the following is specified, an error will be returned. [59.94i/59.94p/60p mode] 1/100, 1/120, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000 [50i/50p mode] 1/60, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000 [29.97p mode] 1/48, 1/50, 1/60, 1/96, 1/100, 1/120, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000 [25p mode] 1/48, 1/50, 1/60, 1/96, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000 [23.98p mode] 1/48, 1/50, 1/60, 1/96, 1/100, 1/120, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000 [59.94p-120fps mode] 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000 [50p-100fps mode] 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000
	Response	OSJ:06:[Data]						
	Request	QSJ:06						
	Response	OSJ:06:[Data]						
SHUTTER SPEED INC	Control	OSJ:04:[Data]	01h – 64h	1 – 100	cam	–	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:04:01&res=1 Increases the SHUTTER SPEED by [Data] steps.
	Response	OSJ:04:[Data]						
	Request	–						
	Response	–						
SHUTTER SPEED DEC	Control	OSJ:05:[Data]	01h – 64h	1 – 100	cam	–	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:05:01&res=1 Decreases the SHUTTER SPEED by [Data] steps.
	Response	OSJ:05:[Data]						
	Request	–						
	Response	–						
SYNCHRO SCAN	Control	OSJ:09:[Data]	00000h – 186A0h	0.0[Hz] – 10000.0[Hz]	cam	OSJ:09:[Data]	OSJ:09:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:09:00258&res=1 For [Data] (hexadecimal), specify a value that is 10 times the [Parameter]. The specified range of parameters is as follows. If you specify a value that cannot be set, the number is rounded down. [59.94i/59.94p/60p] 60.0Hz～720.0Hz [50i/50p] 50.0Hz～720.0Hz [29.97p] 30.0Hz～720.0Hz [25p] 25.0Hz～720.0Hz [23.98p] 24.0Hz～720.0Hz [59.94p-120fps] (119.88p) 120.1Hz～720.0Hz [50p-100fps] (100p) 100.1Hz～720.0Hz
	Response	OSJ:09:[Data]						
	Request	QSJ:09						
	Response	OSJ:09:[Data]						
SYNCHRO SCAN INC	Control	OSJ:07:[Data]	01h – 64h	1 – 100	cam	–	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:07:01&res=1 Increases the SYNCHRO SCAN by [Data] steps.
	Response	OSJ:07:[Data]						
	Request	–						
	Response	–						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
SYNCHRO SCAN DEC	Control	OSJ:08:[Data]	01h – 64h	1 – 100	cam	–	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:08:01&res=1 Decreases the SYNCHRO SCAN by [Data] steps.
	Response	OSJ:08:[Data]						
	Request	–						
	Response	–						
MASTER PEDESTAL	Control	OSJ:0F:[Data]	738h – 800h – 8C8h	-200 – 0 – 200	cam	OSJ:0F:[Data]	OSJ:0F:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:0F:800&res=1
	Response	OSJ:0F:[Data]						
	Request	QSJ:0F						
	Response	OSJ:0F:[Data]						
R PEDESTAL	Control	OSG:4C:[Data]	4E0h – 800h – B20h	-800 – 0 – +800	cam	OSG:4C:[Data]	OSG:4C:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSG:4C:800&res=1
	Response	OSG:4C:[Data]						
	Request	QSG:4C						
	Response	OSG:4C:[Data]						
G PEDESTAL	Control	OSG:4D:[Data]	4E0h – 800h – B20h	-800 – 0 – +800	cam	OSG:4D:[Data]	OSG:4D:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSG:4D:800&res=1
	Response	OSG:4D:[Data]						
	Request	QSG:4D						
	Response	OSG:4D:[Data]						
B PEDESTAL	Control	OSG:4E:[Data]	4E0h – 800h – B20h	-800 – 0 – +800	cam	OSG:4E:[Data]	OSG:4E:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSG:4E:800&res=1
	Response	OSG:4E:[Data]						
	Request	QSG:4E						
	Response	OSG:4E:[Data]						
PEDESTAL OFFSET	Control	OSJ:11:[Data]	0 1	OFF ON	cam	OSJ:11:[Data]	OSJ:11:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:11:0&res=1
	Response	OSJ:11:[Data]						
	Request	QSJ:11						
	Response	OSJ:11:[Data]						
CHROMA LEVEL SWITCH	Control	OSG:93:[Data]	0 1	OFF ON	cam	OSG:93:[Data]	OSG:93:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSG:93:1&res=1
	Response	OSG:93:[Data]						
	Request	QSG:93						
	Response	OSG:93:[Data]						
CHROMA LEVEL	Control	OSL:BO:[Data]	1Ch – 80h – A8h	-100% – 0 – 40	cam	OSL:BO:[Data]	OSL:BO:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:BO:81&res=1 Step:1%
	Response	OSL:BO:[Data]						
	Request	QSL:BO						
	Response	OSL:BO:[Data]						
CHROMA LEVEL	Control	OSD:BO:[Data]	00h 1Ch – 80h – A8h	OFF -100% – 0 – 40	cam	OSD:BO:[Data]	OSD:BO:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:BO:80&res=1 Step:1%
	Response	OSD:BO:[Data]						
	Request	QSD:BO						
	Response	OSD:BO:[Data]						
COLOR TEMP ACH	Control	OSJ:4A:[Data1]:[Data2]	[Data1] 007D0h – 03A98h [Data2] 0	[Data1] 2000K – 15000K [Data2] Valid	cam	OSJ:4A:[Data1]:[Data2]	OSJ:4A:0x[Data1]:[Data2]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:4A:007D0:0&res=1 If you specify a value that cannot be set, the number is rounded down.
	Response	OSJ:4A:[Data1]:[Data2]						
	Request	QSJ:4A						
	Response	OSJ:4A:[Data1]:[Data2]						
COLOR TEMP ACH INC	Control	OSJ:48:[Data]	1h – Ah	1 – 10	cam	–	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:48:1&res=1 Increases the COLOR TEMP by [Data] steps.
	Response	OSJ:48:[Data]						
	Request	–						
	Response	–						
COLOR TEMP ACH DEC	Control	OSJ:49:[Data]	1h – Ah	1 – 10	cam	–	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:49:1&res=1 Decreases the COLOR TEMP by [Data] steps.
	Response	OSJ:49:[Data]						
	Request	–						
	Response	–						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
COLOR TEMP R GAIN ACH	Control	OSJ:4B:[Data]	670h – 800h – 990h	-400 – 0 – 400	cam	OSJ:4B:[Data]	OSJ:4B:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:4B:800&res=1
	Response	OSJ:4B:[Data]						
	Request	QSJ:4B						
	Response	OSJ:4B:[Data]						
COLOR TEMP B GAIN ACH	Control	OSJ:4C:[Data]	670h – 800h – 990h	-400 – 0 – 400	cam	OSJ:4C:[Data]	OSJ:4C:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:4C:800&res=1
	Response	OSJ:4C:[Data]						
	Request	QSJ:4C						
	Response	OSJ:4C:[Data]						
COLOR TEMP G AXIS ACH	Control	OSJ:4D:[Data]	670h – 800h – 990h	-400 – 0 – 400	cam	OSJ:4D:[Data]	OSJ:4D:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:4D:800&res=1
	Response	OSJ:4D:[Data]						
	Request	QSJ:4D						
	Response	OSJ:4D:[Data]						
COLOR TEMP BCH	Control	OSL:2F:[Data1]:[Data2]	[Data1] 007D0h – 03A98h [Data2] 0	[Data1] 2000K – 15000K [Data2] Valid	cam	OSL:2F:[Data1]:[Data2]	OSL:2F:0x[Data1]:[Data2]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:2F:007D0:0&res=1
	Response	OSL:2F:[Data1]:[Data2]						
	Request	QSL:2F						
	Response	OSL:2F:[Data1]:[Data2]						
COLOR TEMP BCH INC	Control	OSL:30:[Data]	1h – Ah	1 – 10	cam	–	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:30:1&res=1
	Response	OSL:30:[Data]						
	Request	–						
	Response	–						
COLOR TEMP BCH DEC	Control	OSL:31:[Data]	1h – Ah	1 – 10	cam	–	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:31:1&res=1
	Response	OSL:31:[Data]						
	Request	–						
	Response	–						
COLOR TEMP R GAIN BCH	Control	OSL:32:[Data]	670h – 800h – 990h	-400 – 0 – 400	cam	OSL:32:[Data]	OSL:32:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:32:800&res=1
	Response	OSL:32:[Data]						
	Request	QSL:32						
	Response	OSL:32:[Data]						
COLOR TEMP B GAIN BCH	Control	OSL:33:[Data]	670h – 800h – 990h	-400 – 0 – 400	cam	OSL:33:[Data]	OSL:33:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:33:801&res=1
	Response	OSL:33:[Data]						
	Request	QSL:33						
	Response	OSL:33:[Data]						
COLOR TEMP G AXIS BCH	Control	OSL:34:[Data]	670h – 800h – 990h	-400 – 0 – 400	cam	OSL:34:[Data]	OSL:34:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:34:801&res=1
	Response	OSL:34:[Data]						
	Request	QSL:34						
	Response	OSL:34:[Data]						
G GAIN REL CONTROL SWITCH	Control	OSL:35:[Data]	0 1	OFF ON	cam	OSL:35:[Data]	OSL:35:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:35:1&res=1
	Response	OSL:35:[Data]						
	Request	QSL:35						
	Response	OSL:35:[Data]						
RGB GAIN PRESET R GAIN	Control	OSL:36:[Data]	418h – 800h – BE8h	-1000 – 0 – 1000	cam	OSL:36:[Data]	OSL:36:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:36:801&res=1
	Response	OSL:36:[Data]						
	Request	QSL:36						
	Response	OSL:36:[Data]						
RGB GAIN PRESET G GAIN	Control	OSL:37:[Data]	418h – 800h – BE8h	-1000 – 0 – 1000	cam	OSL:37:[Data]	OSL:37:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:37:801&res=1
	Response	OSL:37:[Data]						
	Request	QSL:37						
	Response	OSL:37:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
RGB GAIN PRESET B GAIN	Control	OSL:38:[Data]	418h – 800h – BE8h	-1000 – 0 – 1000	cam	OSL:38:[Data]	OSL:38:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:38:801&res=1
	Response	OSL:38:[Data]						
	Request	QSL:38						
	Response	OSL:38:[Data]						
RGB GAIN R GAIN ACH	Control	OSL:39:[Data]	418h – 800h – BE8h	-1000 – 0 – 1000	cam	OSL:39:[Data]	OSL:39:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:39:801&res=1
	Response	OSL:39:[Data]						
	Request	QSL:39						
	Response	OSL:39:[Data]						
RGB GAIN G GAIN ACH	Control	OSL:3A:[Data]	418h – 800h – BE8h	-1000 – 0 – 1000	cam	OSL:3A:[Data]	OSL:3A:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:3A:801&res=1
	Response	OSL:3A:[Data]						
	Request	QSL:3A						
	Response	OSL:3A:[Data]						
RGB GAIN B GAIN ACH	Control	OSL:3B:[Data]	418h – 800h – BE8h	-1000 – 0 – 1000	cam	OSL:3B:[Data]	OSL:3B:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:3B:801&res=1
	Response	OSL:3B:[Data]						
	Request	QSL:3B						
	Response	OSL:3B:[Data]						
RGB GAIN GAIN OFFSET ACH	Control	OSJ:0C:[Data]	0 1	OFF ON	cam	OSJ:0C:[Data]	OSJ:0C:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:0C:0&res=1
	Response	OSJ:0C:[Data]						
	Request	QSJ:0C						
	Response	OSJ:0C:[Data]						
RGB GAIN R GAIN BCH	Control	OSL:3C:[Data]	418h – 800h – BE8h	-1000 – 0 – 1000	cam	OSL:3C:[Data]	OSL:3C:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:3C:801&res=1
	Response	OSL:3C:[Data]						
	Request	QSL:3C						
	Response	OSL:3C:[Data]						
RGB GAIN G GAIN BCH	Control	OSL:3D:[Data]	418h – 800h – BE8h	-1000 – 0 – 1000	cam	OSL:3D:[Data]	OSL:3D:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:3D:801&res=1
	Response	OSL:3D:[Data]						
	Request	QSL:3D						
	Response	OSL:3D:[Data]						
RGB GAIN B GAIN BCH	Control	OSL:3E:[Data]	418h – 800h – BE8h	-1000 – 0 – 1000	cam	OSL:3E:[Data]	OSL:3E:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:3E:801&res=1
	Response	OSL:3E:[Data]						
	Request	QSL:3E						
	Response	OSL:3E:[Data]						
RGB GAIN GAIN OFFSET BCH	Control	OSL:3F:[Data]	0 1	OFF ON	cam	OSL:3F:[Data]	OSL:3F:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:3F:1&res=1
	Response	OSL:3F:[Data]						
	Request	QSL:3F						
	Response	OSL:3F:[Data]						
FLARE	Control	OSA:11:[Data]	0 1	OFF ON	cam	OSA:11:[Data]	OSA:11:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:11:1&res=1
	Response	OSA:11:[Data]						
	Request	QSA:11						
	Response	OSA:11:[Data]						
MASTER FLARE	Control	OSL:40:[Data]	738h – 800h – 8C8h	-200 – 0 – 200	cam	OSL:40:[Data]	OSL:40:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:40:801&res=1
	Response	OSL:40:[Data]						
	Request	QSL:40						
	Response	OSL:40:[Data]						
R FLARE	Control	OSL:41:[Data]	738h – 800h – 8C8h	-200 – 0 – 200	cam	OSL:41:[Data]	OSL:41:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:41:801&res=1
	Response	OSL:41:[Data]						
	Request	QSL:41						
	Response	OSL:41:[Data]						
G FLARE	Control	OSL:42:[Data]	738h – 800h – 8C8h	-200 – 0 – 200	cam	OSL:42:[Data]	OSL:42:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:42:801&res=1
	Response	OSL:42:[Data]						
	Request	QSL:42						
	Response	OSL:42:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
B FLARE	Control	OSL:43:[Data]	738h – 800h – 8C8h	-200 – 0 – 200	cam	OSL:43:[Data]	OSL:43:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:43:801&res=1
	Response	OSL:43:[Data]						
	Request	QSL:43						
	Response	OSL:43:[Data]						
GAMMA	Control	OSA:0A:[Data]	0 1	OFF ON	cam	OSA:0A:[Data]	OSA:0A:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:0A:1&res=1
	Response	OSA:0A:[Data]						
	Request	QSA:0A						
	Response	OSA:0A:[Data]						
GAMMA MODE SELECT	Control	OSJ:D7:[Data]	00 01 02 03	HD NORMAL CINEMA1 CINEMA2	cam	OSJ:D7:[Data]	OSJ:D7:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:D7:00&res=1
	Response	OSJ:D7:[Data]						
	Request	QSJ:D7						
	Response	OSJ:D7:[Data]						
MASTER GAMMA	Control	OSA:6A:[Data]	58h – 94h	0.15 – 0.75	cam	OSA:6A:[Data]	OSA:6A:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:6A:67&res=1 Step : 0.01
	Response	OSA:6A:[Data]						
	Request	QSA:6A						
	Response	OSA:6A:[Data]						
R GAMMA	Control	OSI:35:[Data]	35h – 80h – CBh	-75 – 0 – +75	cam	OSI:35:[Data]	OSI:35:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSI:35:81&res=1
	Response	OSI:35:[Data]						
	Request	QSI:35						
	Response	OSI:35:[Data]						
B GAMMA	Control	OSI:36:[Data]	35h – 80h – CBh	-75 – 0 – +75	cam	OSI:36:[Data]	OSI:36:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSI:36:81&res=1
	Response	OSI:36:[Data]						
	Request	QSI:36						
	Response	OSI:36:[Data]						
BLACK GAMMA	Control	OSA:0B:[Data]	0 1	OFF ON	cam	OSA:0B:[Data]	OSA:0B:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:0B:1&res=1
	Response	OSA:0B:[Data]						
	Request	QSA:0B						
	Response	OSA:0B:[Data]						
MASTER BLACK GAMMA	Control	OSA:07:[Data]	50h – 80h – B0h	-48 – 0 – +48	cam	OSA:07:[Data]	OSA:07:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:07:81&res=1
	Response	OSA:07:[Data]						
	Request	QSA:07						
	Response	OSA:07:[Data]						
R BLACK GAMMA	Control	OSA:08:[Data]	6Ch – 80h – 94h	-20 – 0 – +20	cam	OSA:08:[Data]	OSA:08:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:08:81&res=1
	Response	OSA:08:[Data]						
	Request	QSA:08						
	Response	OSA:08:[Data]						
B BLACK GAMMA	Control	OSA:09:[Data]	6Ch – 80h – 94h	-20 – 0 – +20	cam	OSA:09:[Data]	OSA:09:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:09:81&res=1
	Response	OSA:09:[Data]						
	Request	QSA:09						
	Response	OSA:09:[Data]						
BLACK GAMMA RANGE	Control	OSJ:1B:[Data]	1 2 3	1 2 3	cam	OSJ:1B:[Data]	OSJ:1B:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:1B:1&res=1
	Response	OSJ:1B:[Data]						
	Request	QSJ:1B						
	Response	OSJ:1B:[Data]						
INITIAL GAMMA	Control	OSL:44:[Data]	8h 9h Ah	4.0 4.5 5.0	cam	OSL:44:[Data]	OSL:44:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:44:8&res=1
	Response	OSL:44:[Data]						
	Request	QSL:44						
	Response	OSL:44:[Data]						
KNEE	Control	OSL:45:[Data]	0 1	OFF ON	cam	OSL:45:[Data]	OSL:45:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:45:1&res=1
	Response	OSL:45:[Data]						
	Request	QSL:45						
	Response	OSL:45:[Data]						
KNEE MODE	Control	OSL:46:[Data]	0 1	MANUAL AUTO	cam	OSL:46:[Data]	OSL:46:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:46:1&res=1
	Response	OSL:46:[Data]						
	Request	QSL:46						
	Response	OSL:46:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
KNEE MODE	Control	OSA:2D:[Data]	0 1 2	OFF MANUAL AUTO	cam	OSA:2D:[Data]	OSA:2D:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:2D:0&res=1
	Response	OSA:2D:[Data]						
	Request	QSA:2D						
	Response	OSA:2D:[Data]						
KNEE MASTER POINT	Control	OSA:2O:[Data]	4Ah – C2h	80.00% – 110.00%	cam	OSA:2O:[Data]	OSA:2O:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:2O:4A&res=1 Step : 0.25%
	Response	OSA:2O:[Data]						
	Request	QSA:2O						
	Response	OSA:2O:[Data]						
KNEE R POINT	Control	OSA:22:[Data]	1Ch – 80h – E4h	-25.00% – 0.00% – +25.00%	cam	OSA:22:[Data]	OSA:22:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:22:80&res=1 Step : 0.25%
	Response	OSA:22:[Data]						
	Request	QSA:22						
	Response	OSA:22:[Data]						
KNEE B POINT	Control	OSA:23:[Data]	1Ch – 80h – E4h	-25.00% – 0.00% – +25.00%	cam	OSA:23:[Data]	OSA:23:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:23:80&res=1 Step : 0.25%
	Response	OSA:23:[Data]						
	Request	QSA:23						
	Response	OSA:23:[Data]						
KNEE MASTER SLOPE	Control	OSA:24:[Data]	00h – C7h	0 – 199	cam	OSA:24:[Data]	OSA:24:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:24:00&res=1
	Response	OSA:24:[Data]						
	Request	QSA:24						
	Response	OSA:24:[Data]						
KNEE R SLOPE	Control	OSA:26:[Data]	1Dh – 80h – E3h	-99 – 0 – +99	cam	OSA:26:[Data]	OSA:26:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:26:81&res=1
	Response	OSA:26:[Data]						
	Request	QSA:26						
	Response	OSA:26:[Data]						
KNEE B SLOPE	Control	OSA:27:[Data]	1Dh – 80h – E3h	-99 – 0 – +99	cam	OSA:27:[Data]	OSA:27:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:27:81&res=1
	Response	OSA:27:[Data]						
	Request	QSA:27						
	Response	OSA:27:[Data]						
AUTO KNEE RESPONSE	Control	OSG:97:[Data]	1 – 8	1 – 8	cam	OSG:97:[Data]	OSG:97:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSG:97:1&res=1
	Response	OSG:97:[Data]						
	Request	QSG:97						
	Response	OSG:97:[Data]						
WHITE CLIP	Control	OSA:2E:[Data]	0 1	OFF ON	cam	OSA:2E:[Data]	OSA:2E:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:2E:0&res=1
	Response	OSA:2E:[Data]						
	Request	QSA:2E						
	Response	OSA:2E:[Data]						
MASTER WHITE CLIP LEVEL	Control	OSA:2A:[Data]	50h – 6Dh	80% – 109%	cam	OSA:2A:[Data]	OSA:2A:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:2A:50&res=1 Step : 1%
	Response	OSA:2A:[Data]						
	Request	QSA:2A						
	Response	OSA:2A:[Data]						
R WHITE CLIP LEVEL	Control	OSL:47:[Data]	71h – 80h – 8Fh	-15% – 0% – 15%	cam	OSL:47:[Data]	OSL:47:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:47:81&res=1
	Response	OSL:47:[Data]						
	Request	QSL:47						
	Response	OSL:47:[Data]						
B WHITE CLIP LEVEL	Control	OSL:48:[Data]	71h – 80h – 8Fh	-15% – 0% – 15%	cam	OSL:48:[Data]	OSL:48:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:48:81&res=1
	Response	OSL:48:[Data]						
	Request	QSL:48						
	Response	OSL:48:[Data]						
HI-COLOR	Control	OSL:49:[Data]	0 1	OFF ON	cam	OSL:49:[Data]	OSL:49:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:49:1&res=1
	Response	OSL:49:[Data]						
	Request	QSL:49						
	Response	OSL:49:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
HI-COLOR LEVEL	Control	OSL:4A:[Data]	01h – 20h	1 – 32	cam	OSL:4A:[Data]	OSL:4A:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:4A:01&res=1
	Response	OSL:4A:[Data]						
	Request	QSL:4A						
	Response	OSL:4A:[Data]						
DRS	Control	OSA:0D:[Data]	0 1	OFF ON	cam	OSA:0D:[Data]	OSA:0D:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:0D:1&res=1
	Response	OSA:0D:[Data]						
	Request	QSA:0D						
	Response	OSA:0D:[Data]						
DRS EFFECT DEPTH	Control	OSL:4B:[Data]	1 – 5	1 – 5	cam	OSL:4B:[Data]	OSL:4B:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:4B:1&res=1
	Response	OSL:4B:[Data]						
	Request	QSL:4B						
	Response	OSL:4B:[Data]						
DETAIL	Control	ODT:[Data]	0 1 2	OFF ON ON	cam	ODT:[Data]	ODT:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=ODT:1&res=1
	Response	ODT:[Data]						
	Request	QDT						
	Response	ODT:[Data]						
MASTER DETAIL	Control	OSA:30:[Data]	61h – 80h – 9Fh	-31 – 0 – +31	cam	OSA:30:[Data]	OSA:30:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:30:80&res=1
	Response	OSA:30:[Data]						
	Request	QSA:30						
	Response	OSA:30:[Data]						
DETAIL PEAK FREQUENCY	Control	OSG:30:[Data]	01h – 08h	1 – 8	cam	OSG:30:[Data]	OSG:30:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSG:30:01&res=1
	Response	OSG:30:[Data]						
	Request	QSG:30						
	Response	OSG:30:[Data]						
DETAIL CRISP	Control	OSD:22:[Data]	00h – 3Fh	0 – 63	cam	OSD:22:[Data]	OSD:22:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:22:01&res=1
	Response	OSD:22:[Data]						
	Request	QSD:22						
	Response	OSD:22:[Data]						
DETAIL GAIN(+)	Control	OSA:38:[Data]	61h – 80h – 9Fh	-31 – 0 – +31	cam	OSA:38:[Data]	OSA:38:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:38:80&res=1
	Response	OSA:38:[Data]						
	Request	QSA:38						
	Response	OSA:38:[Data]						
DETAIL GAIN(-)	Control	OSA:39:[Data]	61h – 80h – 9Fh	-31 – 0 – +31	cam	OSA:39:[Data]	OSA:39:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:39:80&res=1
	Response	OSA:39:[Data]						
	Request	QSA:39						
	Response	OSA:39:[Data]						
DETAIL CLIP(+)	Control	OSG:40:[Data]	00h – 3Fh	0 – 63	cam	OSG:40:[Data]	OSG:40:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSG:40:01&res=1
	Response	OSG:40:[Data]						
	Request	QSG:40						
	Response	OSG:40:[Data]						
DETAIL CLIP(-)	Control	OSG:41:[Data]	00h – 3Fh	0 – 63	cam	OSG:41:[Data]	OSG:41:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSG:41:01&res=1
	Response	OSG:41:[Data]						
	Request	QSG:41						
	Response	OSG:41:[Data]						
DETAIL KNEE APERTURE LEVEL	Control	OSG:3F:[Data]	00h – 27h	0 – 39	cam	OSG:3F:[Data]	OSG:3F:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSG:3F:00&res=1
	Response	OSG:3F:[Data]						
	Request	QSG:3F						
	Response	OSG:3F:[Data]						
DETAIL KNEE	Control	OSL:4C:[Data]	00h – 0Fh	00 – 15	cam	OSL:4C:[Data]	OSL:4C:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:4C:01&res=1
	Response	OSL:4C:[Data]						
	Request	QSL:4C						
	Response	OSL:4C:[Data]						
DETAIL LEVEL DEPENDENT SWITCH	Control	OSG:3E:[Data]	0 1	OFF ON	cam	OSG:3E:[Data]	OSG:3E:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSG:3E:1&res=1
	Response	OSG:3E:[Data]						
	Request	QSG:3E						
	Response	OSG:3E:[Data]						
DETAIL LEVEL DEPENDENT	Control	OSD:26:[Data]	00h – 0Fh	00 – 15	cam	OSD:26:[Data]	OSD:26:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:26:01&res=1
	Response	OSD:26:[Data]						
	Request	QSD:26						
	Response	OSD:26:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
DARK DETAIL SWITCH	Control	OSL:4D:[Data]	0 1	OFF ON	cam	OSL:4D:[Data]	OSL:4D:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:4D:1&res=1
	Response	OSL:4D:[Data]						
	Request	QSL:4D						
	Response	OSL:4D:[Data]						
DARK DETAIL	Control	OSL:4E:[Data]	0 – 7	0 – 7	cam	OSL:4E:[Data]	OSL:4E:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:4E:1&res=1
	Response	OSL:4E:[Data]						
	Request	QSL:4E						
	Response	OSL:4E:[Data]						
DOWNCON CHROMA LEVEL SWITCH	Control	OSL:4F:[Data]	0 1	OFF ON	cam	OSL:4F:[Data]	OSL:4F:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:4F:1&res=1
	Response	OSL:4F:[Data]						
	Request	QSL:4F						
	Response	OSL:4F:[Data]						
DOWNCON CHROMA LEVEL	Control	OSL:50:[Data]	1Ch – 80h – A8h	-100% – 0% – 40%	cam	OSL:50:[Data]	OSL:50:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:50:81&res=1
	Response	OSL:50:[Data]						
	Request	QSL:50						
	Response	OSL:50:[Data]						
DOWNCON DETAIL	Control	OSJ:14:[Data]	0 1	OFF ON	cam	OSJ:14:[Data]	OSJ:14:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:14:0&res=1
	Response	OSJ:14:[Data]						
	Request	QSJ:14						
	Response	OSJ:14:[Data]						
DOWNCON MASTER DETAIL	Control	OSJ:15:[Data]	61h – 80h –	-31 – 0 –	cam	OSJ:15:[Data]	OSJ:15:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:15:80&res=1
	Response	OSJ:15:[Data]						
	Request	QSJ:15						
	Response	OSJ:15:[Data]						
DOWNCON H DETAIL LEVEL	Control	OSL:51:[Data]	80h – BFh	00 – 63	cam	OSL:51:[Data]	OSL:51:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:51:81&res=1
	Response	OSL:51:[Data]						
	Request	QSL:51						
	Response	OSL:51:[Data]						
DOWNCON V DETAIL LEVEL	Control	OSJ:17:[Data]	80h – BFh	00 – 63	cam	OSJ:17:[Data]	OSJ:17:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:17:80&res=1
	Response	OSJ:17:[Data]						
	Request	QSJ:17						
	Response	OSJ:17:[Data]						
DOWNCON PEAK FREQUENCY	Control	OSL:52:[Data]	07Ch – 173h	12.4MHz – 37.1MHz	cam	OSL:52:[Data]	OSL:52:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:52:07C&res=1 ・[Data] is 10 times the set value converted to hexadecimal ・Only the following setting values can be set. 12.4, 12.5, 12.7, 12.9, 13.0, 13.3, 13.6, 13.9, 14.2, 14.6, 15.0, 15.5, 16.1, 16.7, 17.3, 18.3, 18.6, 18.8, 19.0, 19.2, 19.5, 19.9, 20.3, 20.9, 21.5, 22.4, 23.6, 25.4, 28.6, 37.1MHz
	Response	OSL:52:[Data]						
	Request	QSL:52						
	Response	OSL:52:[Data]						
DOWNCON V DETAIL FREQUENCY	Control	OSL:53:[Data]	00h – 1Fh	00 – 31	cam	OSL:53:[Data]	OSL:53:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:53:01&res=1
	Response	OSL:53:[Data]						
	Request	QSL:53						
	Response	OSL:53:[Data]						
DOWNCON CRISP	Control	OSL:54:[Data]	80h – BFh	00 – 63	cam	OSL:54:[Data]	OSL:54:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:54:81&res=1
	Response	OSL:54:[Data]						
	Request	QSL:54						
	Response	OSL:54:[Data]						
DOWNCON DETAIL CLIP(+)	Control	OSL:57:[Data]	80h – BFh	00 – 63	cam	OSL:57:[Data]	OSL:57:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:57:81&res=1
	Response	OSL:57:[Data]						
	Request	QSL:57						
	Response	OSL:57:[Data]						
DOWNCON DETAIL CLIP(-)	Control	OSL:58:[Data]	80h – BFh	00 – 63	cam	OSL:58:[Data]	OSL:58:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:58:81&res=1
	Response	OSL:58:[Data]						
	Request	QSL:58						
	Response	OSL:58:[Data]						
DOWNCON KNEE APERTURE LEVEL	Control	OSL:5A:[Data]	00h – 27h	0 – 39	cam	OSL:5A:[Data]	OSL:5A:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:5A:01&res=1
	Response	OSL:5A:[Data]						
	Request	QSL:5A						
	Response	OSL:5A:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
DOWNCON DETAIL KNEE	Control	OSL:5B:[Data]	00h – 0Fh	00 – 15	cam	OSL:5B:[Data]	OSL:5B:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:5B:01&res=1
	Response	OSL:5B:[Data]						
	Request	QSL:5B						
	Response	OSL:5B:[Data]						
DOWNCON LEVEL DEPENDENT SWITCH	Control	OSL:5C:[Data]	0 1	OFF ON	cam	OSL:5C:[Data]	OSL:5C:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:5C:1&res=1
	Response	OSL:5C:[Data]						
	Request	QSL:5C						
	Response	OSL:5C:[Data]						
DOWNCON LEVEL DEPENDENT	Control	OSL:5D:[Data]	00h – 0Fh	00 – 15	cam	OSL:5D:[Data]	OSL:5D:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:5D:01&res=1
	Response	OSL:5D:[Data]						
	Request	QSL:5D						
	Response	OSL:5D:[Data]						
DOWNCON DARK DETAIL SWITCH	Control	OSL:5E:[Data]	0 1	OFF ON	cam	OSL:5E:[Data]	OSL:5E:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:5E:1&res=1
	Response	OSL:5E:[Data]						
	Request	QSL:5E						
	Response	OSL:5E:[Data]						
DOWNCON DARK DETAIL	Control	OSL:5F:[Data]	0 – 7	0 – 7	cam	OSL:5F:[Data]	OSL:5F:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:5F:1&res=1
	Response	OSL:5F:[Data]						
	Request	QSL:5F						
	Response	OSL:5F:[Data]						
DOWNCON SKIN TONE DETAIL	Control	OSL:6O:[Data]	0 1	OFF ON	cam	OSL:6O:[Data]	OSL:6O:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:6O:1&res=1
	Response	OSL:6O:[Data]						
	Request	QSL:6O						
	Response	OSL:6O:[Data]						
DOWNCON SKIN TONE DETAIL MEMORY SELECT	Control	OSL:B1:[Data]	0 1 2	A B C	cam	OSL:B1:[Data]	OSL:B1:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:B1:1&res=1
	Response	OSL:B1:[Data]						
	Request	QSL:B1						
	Response	OSL:B1:[Data]						
DOWNCON ZEBRA	Control	OSL:61:[Data]	0 1	OFF ON	cam	OSL:61:[Data]	OSL:61:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:61:1&res=1
	Response	OSL:61:[Data]						
	Request	QSL:61						
	Response	OSL:61:[Data]						
DOWNCON ZEBRA EFFECT MEMORY	Control	OSL:62:[Data]	0 1 2 3 4 5 6	A B C A+B A+C B+C A+B+C	cam	OSL:62:[Data]	OSL:62:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:62:1&res=1
	Response	OSL:62:[Data]						
	Request	QSL:62						
	Response	OSL:62:[Data]						
DOWNCON SKIN TONE EFFECT MEMORY	Control	OSL:63:[Data]	0 1 2 3 4 5 6	A B C A+B A+C B+C A+B+C	cam	OSL:63:[Data]	OSL:63:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:63:1&res=1
	Response	OSL:63:[Data]						
	Request	QSL:63						
	Response	OSL:63:[Data]						
DOWNCON SKIN TONE CRISP	Control	OSL:64:[Data]	80h – 88h	0 – 8	cam	OSL:64:[Data]	OSL:64:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:64:81&res=1
	Response	OSL:64:[Data]						
	Request	QSL:64						
	Response	OSL:64:[Data]						
DOWNCON I CENTER	Control	OSL:65:[Data]	00h – FFh	0 – 255	cam	OSL:65:[Data]	OSL:65:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:65:01&res=1
	Response	OSL:65:[Data]						
	Request	QSL:65						
	Response	OSL:65:[Data]						
DOWNCON I WIDTH	Control	OSL:66:[Data]	00h – FFh	0 – 255	cam	OSL:66:[Data]	OSL:66:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:66:01&res=1
	Response	OSL:66:[Data]						
	Request	QSL:66						
	Response	OSL:66:[Data]						
DOWNCON Q WIDTH	Control	OSL:67:[Data]	00h – 7Fh	0 – 127	cam	OSL:67:[Data]	OSL:67:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:67:01&res=1
	Response	OSL:67:[Data]						
	Request	QSL:67						
	Response	OSL:67:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
DOWNCON Q PHASE	Control	OSL:68:[Data]	000h – 167h	0 – 359	cam	OSL:68:[Data]	OSL:68:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:68:001&res=1
	Response	OSL:68:[Data]						
	Request	QSL:68						
	Response	OSL:68:[Data]						
SKIN TONE DETAIL	Control	OSA:40:[Data]	0 1	OFF ON	cam	OSA:40:[Data]	OSA:40:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:40:0&res=1
	Response	OSA:40:[Data]						
	Request	QSA:40						
	Response	OSA:40:[Data]						
SKIN TONE DETAIL MEMORY SELECT	Control	OSL:69:[Data]	0 1 2	A B C	cam	OSL:69:[Data]	OSL:69:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:69:1&res=1
	Response	OSL:69:[Data]						
	Request	QSL:69						
	Response	OSL:69:[Data]						
ZEBRA	Control	OSA:49:[Data]	0 1	OFF ON	cam	OSA:49:[Data]	OSA:49:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:49:1&res=1
	Response	OSA:49:[Data]						
	Request	QSA:49						
	Response	OSA:49:[Data]						
ZEBRA EFFECT MEMORY	Control	OSL:6A:[Data]	0 1 2 3 4 5 6	A B C A+B A+C B+C A+B+C	cam	OSL:6A:[Data]	OSL:6A:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:6A:1&res=1
	Response	OSL:6A:[Data]						
	Request	QSL:6A						
	Response	OSL:6A:[Data]						
SKIN TONE EFFECT MEMORY	Control	OSG:48:[Data]	0 1 2 3 4 5 6	A B C A+B A+C B+C A+B+C	cam	OSG:48:[Data]	OSG:48:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSG:48:1&res=1
	Response	OSG:48:[Data]						
	Request	QSG:48						
	Response	OSG:48:[Data]						
SKIN TONE CRISP	Control	OSG:49:[Data]	41h – 80h – BFh	-63 – 0 – +63	cam	OSG:49:[Data]	OSG:49:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSG:49:81&res=1
	Response	OSG:49:[Data]						
	Request	QSG:49						
	Response	OSG:49:[Data]						
SKIN TONE DETAIL I CENTER	Control	OSA:45:[Data]	00h – FFh	0 – 255	cam	OSA:45:[Data]	OSA:45:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:45:01&res=1
	Response	OSA:45:[Data]						
	Request	QSA:45						
	Response	OSA:45:[Data]						
SKIN TONE DETAIL I WIDTH	Control	OSA:46:[Data]	00h – FFh	0 – 255	cam	OSA:46:[Data]	OSA:46:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:46:01&res=1
	Response	OSA:46:[Data]						
	Request	QSA:46						
	Response	OSA:46:[Data]						
SKIN TONE DETAIL Q WIDTH	Control	OSA:47:[Data]	00h – FFh	0 – 255	cam	OSA:47:[Data]	OSA:47:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:47:01&res=1
	Response	OSA:47:[Data]						
	Request	QSA:47						
	Response	OSA:47:[Data]						
SKIN TONE DETAIL Q PHASE	Control	OSG:4F:[Data]	000h – 167h	0 – 359	cam	OSG:4F:[Data]	OSG:4F:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:4F:001&res=1
	Response	OSG:4F:[Data]						
	Request	QSG:4F						
	Response	OSG:4F:[Data]						
PRESET MATRIX	Control	OSE:31:[Data]	0 1 2 3 4	NORMAL CINEMA1 CINEMA2 USER HD	cam	OSE:31:[Data]	OSE:31:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSE:31:0&res=1
	Response	OSE:31:[Data]						
	Request	QSE:31						
	Response	OSE:31:[Data]						
MATRIX	Control	OSA:84:[Data]	0 1	OFF ON	cam	OSA:84:[Data]	OSA:84:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:84:1&res=1
	Response	OSA:84:[Data]						
	Request	QSA:84						
	Response	OSA:84:[Data]						
LINEAR MATRIX	Control	OSL:6C:[Data]	0 1	OFF ON	cam	OSL:6C:[Data]	OSL:6C:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:6C:1&res=1
	Response	OSL:6C:[Data]						
	Request	QSL:6C						
	Response	OSL:6C:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
LINEAR TABLE	Control	OSA:00:[Data]	0 1	A B	cam	OSA:00:[Data]	OSA:00:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:00:1&res=1
	Response	OSA:00:[Data]						
	Request	QSA:00						
	Response	OSA:00:[Data]						
COLOR CORRECT	Control	OSA:85:[Data]	0 1	OFF ON	cam	OSA:85:[Data]	OSA:85:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:85:1&res=1
	Response	OSA:85:[Data]						
	Request	QSA:85						
	Response	OSA:85:[Data]						
COLOR CORRECT TABLE	Control	OSL:6E:[Data]	0 1	A B	cam	OSL:6E:[Data]	OSL:6E:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:6E:1&res=1
	Response	OSL:6E:[Data]						
	Request	QSL:6E						
	Response	OSL:6E:[Data]						
MATRIX(R-G)_N	Control	OSD:2F:[Data]	00h – 1Fh – 3Eh	-31 – 0 – +31	cam	OSD:2F:[Data]	OSD:2F:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:2F:1F&res=1
	Response	OSD:2F:[Data]						
	Request	QSD:2F						
	Response	OSD:2F:[Data]						
MATRIX(R-G)_P	Control	OSL:6F:[Data]	00h – 1Fh – 3Eh	-31 – 0 – +31	cam	OSL:6F:[Data]	OSL:6F:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:6F:1F&res=1
	Response	OSL:6F:[Data]						
	Request	QSL:6F						
	Response	OSL:6F:[Data]						
MATRIX(R-B)_N	Control	OSD:30:[Data]	00h – 1Fh – 3Eh	-31 – 0 – +31	cam	OSD:30:[Data]	OSD:30:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:30:1F&res=1
	Response	OSD:30:[Data]						
	Request	QSD:30						
	Response	OSD:30:[Data]						
MATRIX(R-B)_P	Control	OSL:70:[Data]	00h – 1Fh – 3Eh	-31 – 0 – +31	cam	OSL:70:[Data]	OSL:70:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:70:1F&res=1
	Response	OSL:70:[Data]						
	Request	QSL:70						
	Response	OSL:70:[Data]						
MATRIX(G-R)_N	Control	OSD:31:[Data]	00h – 1Fh – 3Eh	-31 – 0 – +31	cam	OSD:31:[Data]	OSD:31:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:31:1F&res=1
	Response	OSD:31:[Data]						
	Request	QSD:31						
	Response	OSD:31:[Data]						
MATRIX(G-R)_P	Control	OSL:71:[Data]	00h – 1Fh – 3Eh	-31 – 0 – +31	cam	OSL:71:[Data]	OSL:71:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:71:1F&res=1
	Response	OSL:71:[Data]						
	Request	QSL:71						
	Response	OSL:71:[Data]						
MATRIX(G-B)_N	Control	OSD:32:[Data]	00h – 1Fh – 3Eh	-31 – 0 – +31	cam	OSD:32:[Data]	OSD:32:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:32:1F&res=1
	Response	OSD:32:[Data]						
	Request	QSD:32						
	Response	OSD:32:[Data]						
MATRIX(G-B)_P	Control	OSL:72:[Data]	00h – 1Fh – 3Eh	-31 – 0 – +31	cam	OSL:72:[Data]	OSL:72:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:72:1F&res=1
	Response	OSL:72:[Data]						
	Request	QSL:72						
	Response	OSL:72:[Data]						
MATRIX(B-R)_N	Control	OSD:33:[Data]	00h – 1Fh – 3Eh	-31 – 0 – +31	cam	OSD:33:[Data]	OSD:33:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:33:1F&res=1
	Response	OSD:33:[Data]						
	Request	QSD:33						
	Response	OSD:33:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
MATRIX(B-R)_P	Control	OSL:73:[Data]	00h – 1Fh – 3Eh	-31 – 0 – +31	cam	OSL:73:[Data]	OSL:73:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:73:1F&res=1
	Response	OSL:73:[Data]						
	Request	QSL:73						
	Response	OSL:73:[Data]						
MATRIX(B-G)_N	Control	OSD:34:[Data]	00h – 1Fh – 3Eh	-31 – 0 – +31	cam	OSD:34:[Data]	OSD:34:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:34:1F&res=1
	Response	OSD:34:[Data]						
	Request	QSD:34						
	Response	OSD:34:[Data]						
MATRIX(B-G)_P	Control	OSL:74:[Data]	00h – 1Fh – 3Eh	-31 – 0 – +31	cam	OSL:74:[Data]	OSL:74:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:74:1F&res=1
	Response	OSL:74:[Data]						
	Request	QSL:74						
	Response	OSL:74:[Data]						
REQUEST MATRIX (R/G/B/CY/MG/YL)	Control	–	[Data1]R-X 701h-8FFh [Data2]R-Y 701h-8FFh [Data3]G-X 701h-8FFh [Data4]G-Y 701h-8FFh [Data5]B-X 701h-8FFh [Data6]B-Y 701h-8FFh [Data7]CY-X 701h-8FFh [Data8]CY-Y 701h-8FFh [Data9]MG-X 701h-8FFh [Data10]MG-Y 701h-8FFh [Data11]YL-X 701h-8FFh [Data12]YL-Y 701h-8FFh	[Data1]R-X -255～255 [Data2]R-Y -255～255 [Data3]G-X -255～255 [Data4]G-Y -255～255 [Data5]B-X -255～255 [Data6]B-Y -255～255 [Data7]CY-X -255～255 [Data8]CY-Y -255～255 [Data9]MG-X -255～255 [Data10]MG-Y -255～255 [Data11]YL-X -255～255 [Data12]YL-Y -255～255	cam	–	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=QSL:B2&res=1
	Response	–						
	Request	QSL:B2						
	Response	OSL:B2:[Data1]:[Data2] [Data3]:[Data4]:[Data5]:[Data6]:[Data7]:[Dat a8]:[Data9]:[Data10]:[Data11]:[Data12]						
COLOR CORRECTION G SATURATION	Control	OSD:8E:[Data]	01h – 80h – FEh	-127 – 0 – 126	cam	OSD:8E:[Data]	OSD:8E:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:8E:80&res=1
	Response	OSD:8E:[Data]						
	Request	QSD:8E						
	Response	OSD:8E:[Data]						
COLOR CORRECTION G_CY SATURATION	Control	OSD:90:[Data]	01h – 80h – FEh	-127 – 0 – 126	cam	OSD:90:[Data]	OSD:90:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:90:80&res=1
	Response	OSD:90:[Data]						
	Request	QSD:90						
	Response	OSD:90:[Data]						
COLOR CORRECTION CY SATURATION	Control	OSD:92:[Data]	01h – 80h – FEh	-127 – 0 – 126	cam	OSD:92:[Data]	OSD:92:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:92:80&res=1
	Response	OSD:92:[Data]						
	Request	QSD:92						
	Response	OSD:92:[Data]						
COLOR CORRECTION CY_B SATURATION	Control	OSD:94:[Data]	01h – 80h – FEh	-127 – 0 – 126	cam	OSD:94:[Data]	OSD:94:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:94:80&res=1
	Response	OSD:94:[Data]						
	Request	QSD:94						
	Response	OSD:94:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
COLOR CORRECTION B SATURATION	Control	OSD:96:[Data]	01h – 80h – FEh	-127 – 0 – 126	cam	OSD:96:[Data]	OSD:96:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:96:80&res=1
	Response	OSD:96:[Data]						
	Request	QSD:96						
	Response	OSD:96:[Data]						
COLOR CORRECTION B_MG SATURATION	Control	OSD:80:[Data]	01h – 80h – FEh	-127 – 0 – 126	cam	OSD:80:[Data]	OSD:80:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:80:80&res=1
	Response	OSD:80:[Data]						
	Request	QSD:80						
	Response	OSD:80:[Data]						
COLOR CORRECTION MG SATURATION	Control	OSD:82:[Data]	01h – 80h – FEh	-127 – 0 – 126	cam	OSD:82:[Data]	OSD:82:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:82:80&res=1
	Response	OSD:82:[Data]						
	Request	QSD:82						
	Response	OSD:82:[Data]						
COLOR CORRECTION MG_R SATURATION	Control	OSD:84:[Data]	01h – 80h – FEh	-127 – 0 – 126	cam	OSD:84:[Data]	OSD:84:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:84:80&res=1
	Response	OSD:84:[Data]						
	Request	QSD:84						
	Response	OSD:84:[Data]						
COLOR CORRECTION R SATURATION	Control	OSD:86:[Data]	01h – 80h – FEh	-127 – 0 – 126	cam	OSD:86:[Data]	OSD:86:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:86:80&res=1
	Response	OSD:86:[Data]						
	Request	QSD:86						
	Response	OSD:86:[Data]						
COLOR CORRECTION R_YE SATURATION	Control	OSD:88:[Data]	01h – 80h – FEh	-127 – 0 – 126	cam	OSD:88:[Data]	OSD:88:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:88:80&res=1
	Response	OSD:88:[Data]						
	Request	QSD:88						
	Response	OSD:88:[Data]						
COLOR CORRECTION YE SATURATION	Control	OSD:8A:[Data]	01h – 80h – FEh	-127 – 0 – 126	cam	OSD:8A:[Data]	OSD:8A:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:8A:80&res=1
	Response	OSD:8A:[Data]						
	Request	QSD:8A						
	Response	OSD:8A:[Data]						
COLOR CORRECTION YE_G SATURATION	Control	OSD:8C:[Data]	01h – 80h – FEh	-127 – 0 – 126	cam	OSD:8C:[Data]	OSD:8C:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:8C:80&res=1
	Response	OSD:8C:[Data]						
	Request	QSD:8C						
	Response	OSD:8C:[Data]						
COLOR CORRECTION G PHASE	Control	OSD:8F:[Data]	01h – 80h – FEh	-127 – 0 – 126	cam	OSD:8F:[Data]	OSD:8F:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:8F:80&res=1
	Response	OSD:8F:[Data]						
	Request	QSD:8F						
	Response	OSD:8F:[Data]						
COLOR CORRECTION G_CY PHASE	Control	OSD:91:[Data]	01h – 80h – FEh	-127 – 0 – 126	cam	OSD:91:[Data]	OSD:91:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:91:80&res=1
	Response	OSD:91:[Data]						
	Request	QSD:91						
	Response	OSD:91:[Data]						
COLOR CORRECTION CY PHASE	Control	OSD:93:[Data]	01h – 80h – FEh	-127 – 0 – 126	cam	OSD:93:[Data]	OSD:93:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:93:80&res=1
	Response	OSD:93:[Data]						
	Request	QSD:93						
	Response	OSD:93:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
COLOR CORRECTION CY_B PHASE	Control	OSD:95:[Data]	01h – 80h – FEh	-127 – 0 – 126	cam	OSD:95:[Data]	OSD:95:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:95:80&res=1
	Response	OSD:95:[Data]						
	Request	QSD:95						
	Response	OSD:95:[Data]						
COLOR CORRECTION B PHASE	Control	OSD:97:[Data]	01h – 80h – FEh	-127 – 0 – 126	cam	OSD:97:[Data]	OSD:97:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:97:80&res=1
	Response	OSD:97:[Data]						
	Request	QSD:97						
	Response	OSD:97:[Data]						
COLOR CORRECTION B_MG PHASE	Control	OSD:81:[Data]	01h – 80h – FEh	-127 – 0 – 126	cam	OSD:81:[Data]	OSD:81:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:81:80&res=1
	Response	OSD:81:[Data]						
	Request	QSD:81						
	Response	OSD:81:[Data]						
COLOR CORRECTION MG PHASE	Control	OSD:83:[Data]	01h – 80h – FEh	-127 – 0 – 126	cam	OSD:83:[Data]	OSD:83:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:83:80&res=1
	Response	OSD:83:[Data]						
	Request	QSD:83						
	Response	OSD:83:[Data]						
COLOR CORRECTION MG_R PHASE	Control	OSD:85:[Data]	01h – 80h – FEh	-127 – 0 – 126	cam	OSD:85:[Data]	OSD:85:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:85:80&res=1
	Response	OSD:85:[Data]						
	Request	QSD:85						
	Response	OSD:85:[Data]						
COLOR CORRECTION R PHASE	Control	OSD:87:[Data]	01h – 80h – FEh	-127 – 0 – 126	cam	OSD:87:[Data]	OSD:87:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:87:80&res=1
	Response	OSD:87:[Data]						
	Request	QSD:87						
	Response	OSD:87:[Data]						
COLOR CORRECTION R_YE PHASE	Control	OSD:89:[Data]	01h – 80h – FEh	-127 – 0 – 126	cam	OSD:89:[Data]	OSD:89:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:89:80&res=1
	Response	OSD:89:[Data]						
	Request	QSD:89						
	Response	OSD:89:[Data]						
COLOR CORRECTION YE PHASE	Control	OSD:8B:[Data]	01h – 80h – FEh	-127 – 0 – 126	cam	OSD:8B:[Data]	OSD:8B:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:8B:80&res=1
	Response	OSD:8B:[Data]						
	Request	QSD:8B						
	Response	OSD:8B:[Data]						
COLOR CORRECTION YE_G PHASE	Control	OSD:8D:[Data]	01h – 80h – FEh	-127 – 0 – 126	cam	OSD:8D:[Data]	OSD:8D:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:8D:80&res=1
	Response	OSD:8D:[Data]						
	Request	QSD:8D						
	Response	OSD:8D:[Data]						
DNR	Control	OSD:3A:[Data]	00 01 02	OFF ON ON	cam	OSD:3A:[Data]	OSD:3A:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:3A:01&res=1
	Response	OSD:3A:[Data]						
	Request	QSD:3A						
	Response	OSD:3A:[Data]						
DNR LEVEL	Control	OSG:B5:[Data]	1 – 5	1 – 5	cam	OSG:B5:[Data]	OSG:B5:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSG:B5:1&res=1
	Response	OSG:B5:[Data]						
	Request	QSG:B5						
	Response	OSG:B5:[Data]						
HDR PAINT HLG MODE	Control	OSI:39:[Data]	0 1	FIX VAR	cam	OSI:39:[Data]	OSI:39:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSI:39:1&res=1
	Response	OSI:39:[Data]						
	Request	QSI:39						
	Response	OSI:39:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
HDR PAINT SDR CONVERT MODE	Control	OSI:3A:[Data]	0 1	FIX VAR	cam	OSI:3A:[Data]	OSI:3A:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSI:3A:1&res=1
	Response	OSI:3A:[Data]						
	Request	QSI:3A						
	Response	OSI:3A:[Data]						
HDR PAINT BLACK GAMMA	Control	OSI:3C:[Data]	0 1	OFF ON	cam	OSI:3C:[Data]	OSI:3C:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSI:3C:1&res=1
	Response	OSI:3C:[Data]						
	Request	QSI:3C						
	Response	OSI:3C:[Data]						
HDR PAINT MASTER BLACK GAMMA	Control	OSI:3D:[Data]	60h - 80h - A0h	-32 - 0 - +32	cam	OSI:3D:[Data]	OSI:3D:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSI:3D:81&res=1
	Response	OSI:3D:[Data]						
	Request	QSI:3D						
	Response	OSI:3D:[Data]						
HDR PAINT R BLACK GAMMA	Control	OSI:3E:[Data]	60h - 80h - A0h	-32 - 0 - +32	cam	OSI:3E:[Data]	OSI:3E:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSI:3E:81&res=1
	Response	OSI:3E:[Data]						
	Request	QSI:3E						
	Response	OSI:3E:[Data]						
HDR PAINT B BRACK GAMMA	Control	OSI:3F:[Data]	60h - 80h - A0h	-32 - 0 - +32	cam	OSI:3F:[Data]	OSI:3F:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSI:3F:81&res=1
	Response	OSI:3F:[Data]						
	Request	QSI:3F						
	Response	OSI:3F:[Data]						
HDR PAINT KNEE	Control	OSI:4O:[Data]	0 1	OFF ON	cam	OSI:4O:[Data]	OSI:4O:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSI:4O:1&res=1
	Response	OSI:4O:[Data]						
	Request	QSI:4O						
	Response	OSI:4O:[Data]						
HDR PAINT KNEE POINT	Control	OSI:41:[Data]	30h - 80h - D0h	60.00% - 80.00% - 100.00%	cam	OSI:41:[Data]	OSI:41:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSI:41:81&res=1 1step=0.25%
	Response	OSI:41:[Data]						
	Request	QSI:41						
	Response	OSI:41:[Data]						
HDR PAINT KNEE SLOPE	Control	OSI:42:[Data]	00h - C7h	0 - 199	cam	OSI:42:[Data]	OSI:42:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSI:42:01&res=1
	Response	OSI:42:[Data]						
	Request	QSI:42						
	Response	OSI:42:[Data]						
HDR PAINT SDR CONVERT GAIN	Control	OSI:43:[Data]	74h - 7Bh 80h	-12dB - -5dB 0dB	cam	OSI:43:[Data]	OSI:43:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSI:43:74&res=1
	Response	OSI:43:[Data]						
	Request	QSI:43						
	Response	OSI:43:[Data]						
HDR PAINT SDR CONVERT POINT	Control	OSL:88:[Data]	00h - 64h	0 - 100	cam	OSL:88:[Data]	OSL:88:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:88:01&res=1
	Response	OSL:88:[Data]						
	Request	QSL:88						
	Response	OSL:88:[Data]						
HDR PAINT SDR CONVERT SLOPE	Control	OSL:89:[Data]	00h - 7Fh	0 - 127	cam	OSL:89:[Data]	OSL:89:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:89:01&res=1
	Response	OSL:89:[Data]						
	Request	QSL:89						
	Response	OSL:89:[Data]						
HDR PAINT SDR CONVERT BLACK OFFSET	Control	OSL:8A:[Data]	1Ch - 80h - E4h	-100 - 0 - +100	cam	OSL:8A:[Data]	OSL:8A:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:8A:81&res=1
	Response	OSL:8A:[Data]						
	Request	QSL:8A						
	Response	OSL:8A:[Data]						

LENS

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
FOCUS MODE	Control	OAF:[Data]	0 1	MANUAL AUTO	cam	OAF:[Data]	OAF:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OAF:0&res=1
	Response	OAF:[Data]						
	Request	QAF						
	Response	OAF:[Data]						
FOCUS MODE	Control	#D1[Data]	0 1	MANUAL AUTO	ptz	d1[Data]	d1[Data]	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23D10&res=1
	Response	d1[Data]						
	Request	#D1						
	Response	d1[Data]						
AF SENSITIVITY	Control	OSJ:D8:[Data]	0 1	NORMAL STABLE	cam	OSJ:D8:[Data]	OSJ:D8:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:D8:1&res=1
	Response	OSJ:D8:[Data]						
	Request	QSJ:D8						
	Response	OSJ:D8:[Data]						
ZOOM MODE DIGITAL ZOOM	Control	OSE:70:[Data]	0 1	DISABLE ENABLE	cam	OSE:70:[Data]	OSE:70:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSE:70:1&res=1 [ZOOM MODE] -Opt Zoom OSE:70:0 OSD:B3:0 -i Zoom OSE:70:0 OSD:B3:1 -D Zoom OSE:70:1 OSD:B3:0
	Response	OSE:70:[Data]						
	Request	QSE:70						
	Response	OSE:70:[Data]						
ZOOM MODE I.ZOOM	Control	OSD:B3:[Data]	0 1	DISABLE ENABLE	cam	OSD:B3:[Data]	OSD:B3:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSD:B3:0&res=1
	Response	OSD:B3:[Data]						
	Request	QSD:B3						
	Response	OSD:B3:[Data]						
MAX DIGITAL ZOOM	Control	OSE:7A:[Data]	02 - 10	x2 - x10	cam	OSE:7A:[Data]	OSE:7A:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSE:7A:10&res=1
	Response	OSE:7A:[Data]						
	Request	QSE:7A						
	Response	OSE:7A:[Data]						
DIGITAL EXTENDER	Control	OSJ:4E:[Data]	0 1 2	OFF x1.4 x2.0	cam	OSJ:4E:[Data]	OSJ:4E:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:4E:1&res=1
	Response	OSJ:4E:[Data]						
	Request	QSJ:4E						
	Response	OSJ:4E:[Data]						
O.I.S.	Control	OSL:8B:[Data]	0 1	OFF ON	cam	OSL:8B:[Data]	OSL:8B:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:8B:1&res=1
	Response	OSL:8B:[Data]						
	Request	QSL:8B						
	Response	OSL:8B:[Data]						
O.I.S. MODE	Control	OSL:8C:[Data]	1 2 3 4	O.I.S (STABLE) O.I.S (PAN/TILT) HYBRID (STABLE) HYBRID (PAN/TILT)	cam	OSL:8C:[Data]	OSL:8C:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:8C:1&res=1
	Response	OSL:8C:[Data]						
	Request	QSL:8C						
	Response	OSL:8C:[Data]						
O.I.S. MODE	Control	OIS:[Data]	0 1 2 3 4	OFF O.I.S (STABLE) O.I.S (PAN/TILT) HYBRID (STABLE) HYBRID (PAN/TILT)	cam	OIS:[Data]	OIS:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OIS:0&res=1
	Response	OIS:[Data]						
	Request	QIS						
	Response	OIS:[Data]						
ND FILTER	Control	OFT:[Data]	0 1 2 3	THROUGH 1/4 1/16 1/64	cam	OFT:[Data]	OFT:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OFT:0&res=1
	Response	OFT:[Data]						
	Request	QFT						
	Response	OFT:[Data]						
ZOOM SCALE	Control	-	000h - 3E7h	0 - 999	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=QSJ:3D&res=1
	Response	-						
	Request	QSJ:3D						
	Response	OSJ:3D:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
DIGITAL ZOOM MAGNIFICATION	Control	OSE:76:[Data]	0100 – 9999	x1.00 – x99.99	cam	OSE:76:[Data]	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSE:76:0100&res=1
	Response	OSE:76:[Data]						
	Request	QSE:76						
	Response	OSE:76:[Data]						
ZOOM SPEED CONTROL	Control	#Z[Data]	01 – 49 50 51 – 99	WIDE MAX. SPEED – WIDE MIN. SPEED ZOOM STOP TELE MIN. SPEED – TELE MAX. SPEED	ptz	–	–	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23Z50&res=1
	Response	zS[Data]						
	Request	–						
	Response	–						
ZOOM POSITION CONTROL	Control	#AXZ[Data]	555h – FFFh	WIDE – TELE	ptz	–	axz[Data]	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23AXZ555&res=1
	Response	axz[Data]						
	Request	#AXZ						
	Response	axz[Data]						
FOCUS SPEED CONTROL	Control	#F[Data]	01 – 49 50 51 – 99	NEAR MAX. SPEED – NEAR MIN. SPEED STOP FAR MIN. SPEED – FAR MAX. SPEED	ptz	–	–	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23F50&res=1
	Response	fS[Data]						
	Request	–						
	Response	–						
FOCUS POSITION CONTROL	Control	#AXF[Data]	555h – FFFh	NEAR – FAR	ptz	–	axf[Data]	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23AXF555&res=1
	Response	axf[Data]						
	Request	#AXF						
	Response	axf[Data]						
PUSH AUTO FOCUS	Control	OSE:69:[Data]	1	PUSH AUTO	cam	–	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSE:69:1&res=1
	Response	OSE:69:[Data]						
	Request	–						
	Response	–						
TOUCH AF	Control	OSJ:28:[Data1]:[Data2]	[Data1] 00h – 64h [Data2] 00h – 64h	[Data1] H POS. 0% – 100% [Data2]V POS. 0% – 100%	cam	–	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:28:32:32&res=1
	Response	OSJ:28:[Data1]:[Data2]						
	Request	–						
	Response	–						
IRIS CONTROL	Control	#AXI[Data]	555h – FFFh	IRIS CLOSE – IRIS OPEN	ptz	–	axi[Data]	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23AXI555&res=1
	Response	axi[Data]						
	Request	#AXI						
	Response	axi[Data]						
IRIS CONTROL	Control	#I[Data]	01 – 99	IRIS CLOSE – IRIS OPEN	ptz	–	–	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23I50&res=1
	Response	iC[Data]						
	Request	#I						
	Response	iC[Data]						
IRIS CONTROL	Control	ORV:[Data]	000h – 3FFh	IRIS CLOSE – IRIS OPEN	cam	ORV:[Data]	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=ORV:000&res=1
	Response	ORV:[Data]						
	Request	QRV						
	Response	ORV:[Data]						
IRIS FOLLOW	Control	–	00h – FFh	IRIS CLOSE – IRIS OPEN	cam	OSD:4F:[Data]	OSD:4F:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=QSD:4F&res=1
	Response	–						
	Request	QSD:4F						
	Response	OSD:4F:[Data]						
LENS POSITION INFORMATION	Control	–	[Data1] 555h – FFFh [Data2] 555h – FFFh [Data3] 555h – FFFh	[Data1]ZOOM POSITION WIDE – TELE [Data2]FOCUS POSITION NEAR – FAR [Data3]IRIS POSITION CLOSE – OPEN	ptz	IPI[Data1][Data2][Data3]	–	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23LPI&res=1
	Response	–						
	Request	#LPI						
	Response	IPI[Data1][Data2][Data3]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
LENS POSITION INFORMATION CONTROL	Control	#LPC[Data]	0 1	OFF ON	ptz	IPC[Data]	-	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23LPC1&res=1
	Response	IPC[Data]						
	Request	#LPC						
	Response	IPC[Data]						
REQUEST IRIS F NO.	Control	-	0Eh - A0h - FFh	F1.4 - F16 - CLOSE	cam	OIF:[Data]	OIF:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=QIF&res=1
	Response	-						
	Request	QIF						
	Response	OIF:[Data]						
REQUEST ZOOM POSITION	Control	-	555h - FFFh "---"	WIDE - TELE @POWER OFF	ptz	-	-	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23GZ&res=1
	Response	-						
	Request	#GZ						
	Response	gz[Data]						
REQUEST FOCUS POSITION	Control	-	555h - FFFh "---"	NEAR - FAR @POWER OFF	ptz	-	-	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23GF&res=1
	Response	-						
	Request	#GF						
	Response	gf[Data]						
REQUEST IRIS POSITION	Control	-	[Data1] 555h - FFFh "---" [Data2] 0 1	[Data1] CLOSE - OPEN @POWER OFF [Data2] MANUAL IRIS AUTO IRIS	ptz	-	-	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23GI&res=1
	Response	-						
	Request	#GI						
	Response	gi[Data1][Data2]						
FOCUS GUIDE	Control	OSL:C3:[Data]	0 1	OFF ON	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:C3:1&res=1
	Response	OSL:C3:[Data]						
	Request	QSL:C3						
	Response	OSL:C3:[Data]						
FOCUS GUIDE POSITION	Control	OSL:C4:[Data1]:[Data2]	[Data1] 00h - 64h [Data2] 00h - 64h	[Data1] H POS. 0% - 100% [Data2]V POS. 0% - 100%	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:C4:32:32&res=1 Effective range is H:17%～83%, V:10%～90%.
	Response	OSL:C4:[Data1]:[Data2]						
	Request	QSL:C4						
	Response	OSL:C4:[Data1]:[Data2]						
FOCUS GUIDE STATUS (WEB UI)	Control	-	7Bh - 80h - 85h FEh FFh	-5(NEAR) - 0(IN FOCUS) - 5(FAR) FOCUS GUIDE OFF NOT MEASURABLE	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=QSL:C5&res=1
	Response	-						
	Request	QSL:C5						
	Response	OSL:C5:[Data]						
FOCUS GUIDE STATUS (DETAIL)	Control	-	62h - 80h - 9Eh FEh FFh	-30(NEAR) - 0(IN FOCUS) - 30(FAR) FOCUS GUIDE OFF NOT MEASURABLE	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=QSL:C6&res=1
	Response	-						
	Request	QSL:C6						
	Response	OSL:C6:[Data]						

MONITOR DISPLAY

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
WFM MODE	Control	OSL:8D:[Data]	0 1 2	OFF ON(Y) ON(Y/Pb/Pr)	cam	OSL:8D:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:8D:1&res=1
	Response	OSL:8D:[Data]						
	Request	QSL:8D						
	Response	OSL:8D:[Data]						
WFM POSITION	Control	OSL:8E:[Data]	0 1 2 3	UR BR BL UL	cam	OSL:8E:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:8E:1&res=1
	Response	OSL:8E:[Data]						
	Request	QSL:8E						
	Response	OSL:8E:[Data]						
STATUS INDICATOR RETURN SELECT	Control	OSL:B3:[Data]	0 1	OFF ON	cam	OSL:B3:[Data]	OSL:B3:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:B3:0&res=1
	Response	OSL:B3:[Data]						
	Request	QSL:B3						
	Response	OSL:B3:[Data]						
STATUS INDICATOR STATUS(AUTO)	Control	OSA:88:[Data]	0 1	OFF ON	cam	OSA:88:[Data]	OSA:88:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSA:88:0&res=1
	Response	OSA:88:[Data]						
	Request	QSA:88						
	Response	OSA:88:[Data]						
LEVEL GAUGE	Control	OSL:03:[Data]	0 1	OFF ON	cam	OSL:03:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:03:1&res=1
	Response	OSL:03:[Data]						
	Request	QSL:03						
	Response	OSL:03:[Data]						
LEVEL GAUGE REQUEST INCLINATION	Control	-	[Data1] 1Dh - 80h - E3h [Data2] 1Dh - 80h - E3h [Data3] 1Dh - 80h - E3h [Data4] 1Dh - 80h - E3h	[Data1] -9.9° (Left Down) - 0.0° - 9.9° (Left Up) [Data2] -9.9° (Right Down) - 0.0° - 9.9° (Right Up) [Data3] -9.9° (Front Down) - 0.0° - 9.9° (Front Up) [Data4] -9.9° (Back Down) - 0.0° - 9.9° (Back Up)	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=QSL:AF&res=1
	Response	-						
	Request	QSL:AF						
	Response	OSL:AF:[Data1]:[Data2] :[Data3]:[Data4]						

TRACKING DATA OUTPUT

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
TRACKING DATA OUTPUT SERIAL	Control	OSJ:54:[Data]	0 1	OFF ON	cam	OSJ:54:[Data]	OSJ:54:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:54:0&res=1
	Response	OSJ:54:[Data]						
	Request	QSJ:54						
	Response	OSJ:54:[Data]						
TRACKING DATA OUTPUT IP	Control	OSJ:55:[Data]	0 1	OFF ON	cam	OSJ:55:[Data]	OSJ:55:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:55:0&res=1
	Response	OSJ:55:[Data]						
	Request	QSJ:55						
	Response	OSJ:55:[Data]						
TRACKING DATA OUTPUT INVERT PAN/TILT AXIS	Control	OSJ:C1:[Data]	0 1	OFF ON	cam	OSJ:C1:[Data]	OSJ:C1:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:C1:0&res=1
	Response	OSJ:C1:[Data]						
	Request	QSJ:C1						
	Response	OSJ:C1:[Data]						
TRACKING DATA OUTPUT CAMERA ID	Control	OSJ:F4:[Data]	0x00 - 0xFF	0x00 - 0xFF	cam	OSJ:F4:[Data]	OSJ:F4:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:F4:00&res=1
	Response	OSJ:F4:[Data]						
	Request	QSJ:F4						
	Response	OSJ:F4:[Data]						

CROP

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
UHD CROP	Control	OSJ:2E:[Data]	0 1 2	OFF CROP(1080) CROP(720)	cam	OSJ:2E:[Data]	OSJ:2E:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:2E:0&res=1
	Response	OSJ:2E:[Data]						
	Request	QSJ:2E						
	Response	OSJ:2E:[Data]						
CROP ZOOM	Control	OSJ:92:[Data]	0 1	OFF ON	cam	OSJ:92:[Data]	OSJ:92:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:92:0&res=1
	Response	OSJ:92:[Data]						
	Request	QSJ:92						
	Response	OSJ:92:[Data]						
CROP AF	Control	OSJ:91:[Data]	0 1	OFF ON	cam	OSJ:91:[Data]	OSJ:91:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:91:0&res=1
	Response	OSJ:91:[Data]						
	Request	QSJ:91						
	Response	OSJ:91:[Data]						
CROP 3G SDI1 OUT	Control	OSI:32:[Data]	0 1	FULL CROP	cam	OSI:32:[Data]	OSI:32:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSI:32:0&res=1
	Response	OSI:32:[Data]						
	Request	QSI:32						
	Response	OSI:32:[Data]						
CROP NDI OUT	Control	OSJ:93:[Data]	0 1	FULL CROP	cam	OSJ:93:[Data]	OSJ:93:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:93:0&res=1
	Response	OSJ:93:[Data]						
	Request	QSJ:93						
	Response	OSJ:93:[Data]						
CROP IP(H.264/H.265) OUT1	Control	OSI:33:[Data]	0 1	FULL CROP	cam	OSI:33:[Data]	OSI:33:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSI:33:0&res=1
	Response	OSI:33:[Data]						
	Request	QSI:33						
	Response	OSI:33:[Data]						
CROP IP(H.264/H.265) OUT2	Control	OSJ:94:[Data]	0 1	FULL CROP	cam	OSJ:94:[Data]	OSJ:94:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:94:0&res=1
	Response	OSJ:94:[Data]						
	Request	QSJ:94						
	Response	OSJ:94:[Data]						
CROP MARKER	Control	OSI:1A:[Data1]	0 1 2 3 4 5 6 7	OFF YL G MG YL+G YL+MG G+MG YL+G+MG	cam	OSI:1A:[Data1]	OSI:1A:[Data1]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSI:1A:0&res=1
	Response	OSI:1A:[Data1]						
	Request	QSI:1A						
	Response	OSI:1A:[Data1]						
CROP OUT	Control	OSI:16:[Data1]	1 2 3	YL G MG	cam	OSI:16:[Data1]	OSI:16:[Data1]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSI:16:1&res=1
	Response	OSI:16:[Data1]						
	Request	QSI:16						
	Response	OSI:16:[Data1]						
CROP ADJUST	Control	OSI:17:[Data1]	1 2 3	YL G MG	cam	OSI:17:[Data1]	OSI:17:[Data1]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSI:17:1&res=1
	Response	OSI:17:[Data1]						
	Request	QSI:17						
	Response	OSI:17:[Data1]						
CROP H POSITION	Control	OSJ:AF:[Data]	000h – C00h	0 – 3072	cam	OSJ:AF:[Data]	OSJ:AF:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:AF:000&res=1 [Data]:Even numbers only
	Response	OSJ:AF:[Data]						
	Request	QSJ:AF						
	Response	OSJ:AF:[Data]						
CROP H POSITION(YL)	Control	OSJ:2F:[Data]	000h – C00h	0 – 3072	cam	OSJ:2F:[Data]	OSJ:2F:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:2F:000&res=1 [Data]:Even numbers only
	Response	OSJ:2F:[Data]						
	Request	QSJ:2F						
	Response	OSJ:2F:[Data]						
CROP H POSITION(G)	Control	OSJ:31:[Data]	000h – C00h	0 – 3072	cam	OSJ:31:[Data]	OSJ:31:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:31:000&res=1 [Data]:Even numbers only
	Response	OSJ:31:[Data]						
	Request	QSJ:31						
	Response	OSJ:31:[Data]						
CROP H POSITION(MG)	Control	OSJ:33:[Data]	000h – C00h	0 – 3072	cam	OSJ:33:[Data]	OSJ:33:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:33:000&res=1 [Data]:Even numbers only
	Response	OSJ:33:[Data]						
	Request	QSJ:33						
	Response	OSJ:33:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
CROP V POSITION	Control	OSJ:B0:[Data]	000h – 6C0h	0 – 1728	cam	OSJ:B0:[Data]	OSJ:B0:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:B0:000&res=1
	Response	OSJ:B0:[Data]						
	Request	QSJ:B0						
	Response	OSJ:B0:[Data]						
CROP V POSITION(YL)	Control	OSJ:30:[Data]	000h – 6C0h	0 – 1728	cam	OSJ:30:[Data]	OSJ:30:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:30:000&res=1
	Response	OSJ:30:[Data]						
	Request	QSJ:30						
	Response	OSJ:30:[Data]						
CROP V POSITION(G)	Control	OSJ:32:[Data]	000h – 6C0h	0 – 1728	cam	OSJ:32:[Data]	OSJ:32:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:32:000&res=1
	Response	OSJ:32:[Data]						
	Request	QSJ:32						
	Response	OSJ:32:[Data]						
CROP V POSITION(MG)	Control	OSJ:34:[Data]	000h – 6C0h	0 – 1728	cam	OSJ:34:[Data]	OSJ:34:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:34:000&res=1
	Response	OSJ:34:[Data]						
	Request	QSJ:34						
	Response	OSJ:34:[Data]						
CROP ZOOM RATIO	Control	OSJ:B1:[Data]	02EE0h – 0C350h	120.00% – 500.00%	cam	OSJ:B1:[Data]	OSJ:B1:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:B1:02EE0&res=1
	Response	OSJ:B1:[Data]						
	Request	QSJ:B1						
	Response	OSJ:B1:[Data]						
CROP ZOOM RATIO(YL)	Control	OSJ:98:[Data]	02EE0h – 0C350h	120.00% – 500.00%	cam	OSJ:98:[Data]	OSJ:98:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:98:02EE0&res=1
	Response	OSJ:98:[Data]						
	Request	QSJ:98						
	Response	OSJ:98:[Data]						
CROP ZOOM RATIO(G)	Control	OSJ:99:[Data]	02EE0h – 0C350h	120.00% – 500.00%	cam	OSJ:99:[Data]	OSJ:99:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:99:02EE0&res=1
	Response	OSJ:99:[Data]						
	Request	QSJ:99						
	Response	OSJ:99:[Data]						
CROP ZOOM RATIO(MG)	Control	OSJ:9A:[Data]	02EE0h – 0C350h	120.00% – 500.00%	cam	OSJ:9A:[Data]	OSJ:9A:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:9A:02EE0&res=1
	Response	OSJ:9A:[Data]						
	Request	QSJ:9A						
	Response	OSJ:9A:[Data]						
CROP ZOOM RATIO(YL,G,MG)	Control	OSJ:9B:[Data1]:[Data2] :[Data3]	[Data1] 02EE0h – 0C350h	[Data1] Zoom Ratio (YL) 120.00% – 500.00%	cam	–	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:9B:02EE0:02EE0:02EE0&res=1
	Response	OSJ:9B:[Data1]:[Data2] :[Data3]	[Data2] 02EE0h – 0C350h	[Data2] Zoom Ratio (G) 120.00% – 500.00%				
	Request	QSJ:9B	[Data3] 02EE0h – 0C350h	[Data3] Zoom Ratio (MG) 120.00% – 500.00%				
	Response	OSJ:9B:[Data1]:[Data2] :[Data3]						
CROP ZOOM RATIO SPEED CONTROL	Control	OSJ:9C:[Data]	01 – 49 50 51 – 99	Wide Max. Speed – Wide Min. Speed Stop Tele Min. Speed – Tele Max. Speed	cam	–	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:9C:50&res=1
	Response	OSJ:9C:[Data]						
	Request	---						
	Response	---						
CROP ZOOM RATIO SPEED CONTROL(YL)	Control	OSJ:9D:[Data]	01 – 49 50 51 – 99	Wide Max. Speed – Wide Min. Speed Stop Tele Min. Speed – Tele Max. Speed	cam	–	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:9D:50&res=1
	Response	OSJ:9D:[Data]						
	Request	---						
	Response	---						
CROP ZOOM RATIO SPEED CONTROL(G)	Control	OSJ:9E:[Data]	01 – 49 50 51 – 99	Wide Max. Speed – Wide Min. Speed Stop Tele Min. Speed – Tele Max. Speed	cam	–	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:9E:50&res=1
	Response	OSJ:9E:[Data]						
	Request	---						
	Response	---						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
CROP ZOOM RATIO SPEED CONTROL(MG)	Control	OSJ:9F:[Data]	01 - 49 50 51 - 99	Wide Max. Speed - Wide Min. Speed Stop Tele Min. Speed - Tele Max. Speed	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:9F:50&res=1
	Response	OSJ:9F:[Data]						
	Request	---						
	Response	---						
CROP ZOOM RATIO SPEED CONTROL(YL,G,MG)	Control	OSJ:A1:[Data1]:[Data2] :[Data3]	[Data1] 01 - 49 50 51 - 99 [Data2] 01 - 49 50 51 - 99 [Data3] 01 - 49 50 51 - 99	[Data1] (YL) Wide Max. Speed - Wide Min. Speed Stop Tele Min. Speed - Tele Max. Speed [Data2] (G) Wide Max. Speed - Wide Min. Speed Stop Tele Min. Speed - Tele Max. Speed [Data3] (MG) Wide Max. Speed - Wide Min. Speed Stop Tele Min. Speed - Tele Max. Speed	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:A1:50:50:50&res=1
	Response	OSJ:A1:[Data1]:[Data2] :[Data3]						
	Request	---						
	Response	---						
GET CROP H/V POSITION (YL, G, MG)	Control	OSJ:60:[Data1]:[Data2] :[Data3]:[Data4]:[Data 5]:[Data6]	[Data1] 000h - C00h [Data2] 000h - 6C0 [Data3] 000h - C00h [Data4] 000h - 6C0 [Data5] 000h - C00h [Data6] 000h - 6C0h	[Data1] H POS (YL) 0 - 3072 [Data2] V POS (YL) 0 - 1728 [Data3] H POS (G) 0 - 3072 [Data4] V POS (G) 0 - 1728 [Data5] H POS (MG) 0 - 3072 [Data6] V POS (MG) 0 - 3072	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:60:000:000:000:000:000:000&res=1 [Data1],[Data3],[Data5]:Even numbers only
	Response	OSJ:60:[Data1]:[Data2] :[Data3]:[Data4]:[Data 5]:[Data6]						
	Request	QSJ:60						
	Response	OSJ:60:[Data1]:[Data2] :[Data3]:[Data4]:[Data 5]:[Data6]						
CROP H/V POSITION SPEED CONTROL	Control	OSI:15:[Data1]:[Data2]	[Data1] 01 - 50 - 99 [Data2] 01 - 50 - 99	[Data1] LEFT MAX. SPEED - STOP - RIGHT MAX. SPEED [Data2] DOWN MAX. SPEED - STOP - UP MAX. SPEED	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSI:15:50:50&res=1
	Response	OSI:15:[Data1]:[Data2]						
	Request	---						
	Response	---						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
CROP H/V POSITION SPEED CONTROL(YL)	Control	OSJ:5D:[Data1]:[Data2]	[Data1] 01 – 50 – 99 [Data2] 01 – 50 – 99	[Data1] LEFT MAX. SPEED – STOP – RIGHT MAX. SPEED [Data2] DOWN MAX. SPEED – STOP – UP MAX. SPEED	cam	–	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:5D:50:50&res=1
	Response	OSJ:5D:[Data1]:[Data2]						
	Request	---						
	Response	---						
CROP H/V POSITION SPEED CONTROL(G)	Control	OSJ:5E:[Data1]:[Data2]	[Data1] 01 – 50 – 99 [Data2] 01 – 50 – 99	[Data1] LEFT MAX. SPEED – STOP – RIGHT MAX. SPEED [Data2] DOWN MAX. SPEED – STOP – UP MAX. SPEED	cam	–	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:5E:50:50&res=1
	Response	OSJ:5E:[Data1]:[Data2]						
	Request	---						
	Response	---						
CROP H/V POSITION SPEED CONTROL(MG)	Control	OSJ:5F:[Data1]:[Data2]	[Data1] 01 – 50 – 99 [Data2] 01 – 50 – 99	[Data1] LEFT MAX. SPEED – STOP – RIGHT MAX. SPEED [Data2] DOWN MAX. SPEED – STOP – UP MAX. SPEED	cam	–	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:5F:50:50&res=1
	Response	OSJ:5F:[Data1]:[Data2]						
	Request	---						
	Response	---						
CROP H/V POSITION SPEED CONTROL(YL/G/MG)	Control	OSJ:A0:[Data1]:[Data2] :[Data3]:[Data4]:[Data 5]:[Data6]	[Data1] 01 50 99 [Data2] 01 50 99 [Data3] 01 50 99 [Data4] 01 50 99 [Data5] 01 50 99 [Data6] 01 50 99	[Data1] (YL) LEFT MAX. SPEED STOP RIGHT MAX. SPEED [Data2] (YL) DOWN MAX. SPEED STOP UP MAX. SPEED [Data3] (G) LEFT MAX. SPEED STOP RIGHT MAX. SPEED [Data4] (G) DOWN MAX. SPEED STOP UP MAX. SPEED [Data5] (MG) LEFT MAX. SPEED STOP RIGHT MAX. SPEED [Data6] (MG) DOWN MAX. SPEED STOP UP MAX. SPEED	cam	–	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:A0:50:50:50:50:50:50&res=1
	Response	OSJ:A0:[Data1]:[Data2] :[Data3]:[Data4]:[Data 5]:[Data6]						
	Request	---						
	Response	---						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
CROP POSITION / CROP ZOOM POSITION SPEED CONTROL (YL/G/MG)	Control	OSJ:C2:[Data1]:[Data2]:[Data3]:[Data4]:[Data5]:[Data6]:[Data7]:[Data8]:[Data9]	[Data1] 01 - 50 - 99 [Data2] 01 - 50 - 99 [Data3] 01 - 50 - 99 [Data4] 01 - 50 - 99 [Data5] 01 - 50 - 99 [Data6] 01 - 50 - 99 [Data7] 01 - 50 - 99 [Data8] 01 - 50 - 99 [Data9] 01 - 50 - 99	[Data1]YL H CROP POSITION LEFT MAX. SPD - STOP - RIGHT MAX. SPD [Data2]YL V CROP POSITION DOWN MAX. SPD - STOP - UP MAX. SPD [Data3]G H CROP POSITION LEFT MAX. SPD - STOP - RIGHT MAX. SPD [Data4]G V CROP POSITION DOWN MAX. SPD - STOP - UP MAX. SPD [Data5]MG H CROP POSITION LEFT MAX. SPD - STOP - RIGHT MAX. SPD [Data6]MG V CROP POSITION DOWN MAX. SPD - STOP - UP MAX. SPD [Data7] YL CROP ZOOM POSITION WIDE MAX. SPD - STOP - TELE MAX. SPD [Data8] G CROP ZOOM POSITION WIDE MAX. SPD - STOP - TELE MAX. SPD [Data9]MG CROP ZOOM POSITION WIDE MAX. SPD - STOP - TELE MAX. SPD	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:C2:01:01:50:50:99:99:30:50:70&res=1
	Response	OSJ:C2:[Data1]:[Data2]:[Data3]:[Data4]:[Data5]:[Data6]:[Data7]:[Data8]:[Data9]						
	Request	-						
	Response	-						
REQUEST CROP POSITION / CROP ZOOM POSITION	Control	-	[Data1] 000h - C00h [Data2] 000h - 6C0h [Data3] 000h - C00h [Data4] 000h - 6C0h [Data5] 000h - C00h [Data6] 000h - 6C0h [Data7] 02EE0h - 0C350h [Data8] 02EE0h - 0C350h [Data9] 02EE0h - 0C350h	[Data1] H POS (YL) 0 - 3072 [Data2] V POS (YL) 0 - 1728 [Data3] H POS (G) 0 - 3072 [Data4] V POS (G) 0 - 1728 [Data5] H POS (MG) 0 - 3072 [Data6] V POS (MG) 0 - 1728 [Data7] ZOOM RATIO (YL) 120.00% - 500.00% [Data8] ZOOM RATIO (G) 120.00% - 500.00% [Data9] ZOOM RATIO (MG) 120.00% - 500.00%	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=QSJ:C3&res=1
	Response	-						
	Request	QSJ:C3						
	Response	OSJ:C3:[Data1]:[Data2]:[Data3]:[Data4]:[Data5]:[Data6]:[Data7]:[Data8]:[Data9]						

PANTILT

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
INSTALL POSITION	Control	#INS[Data]	0 1	DESKTOP HANGING	ptz	iNS[Data]	iNS[Data]	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23INS1&res=1
	Response	iNS[Data]						
	Request	#INS						
	Response	iNS[Data]						
SMART PICTURE FLIP	Control	#SPF[Data]	0 1	OFF AUTO	ptz	sPF[Data]	-	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23SPF1&res=1
	Response	sPF[Data]						
	Request	#SPF						
	Response	sPF[Data]						
FLIP STATUS	Control	-	0 1	NORMAL FLIP	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=QFS&res=1
	Response	-						
	Request	QFS						
	Response	OFS:[Data]						
FLIP DETECT ANGLE	Control	#FDA[Data]	3Ch - 78h	60deg - 120deg	ptz	fDA[Data]	-	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23FDA5A&res=1
	Response	fDA[Data]						
	Request	#FDA						
	Response	fDA[Data]						
P/T SPEED MODE	Control	OSJ:2D:[Data]	0 1 2	NORMAL(60deg/s) FAST1(90deg/s) FAST2(180deg/s)	cam	OSJ:2D:[Data]	OSJ:2D:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:2D:0&res=1
	Response	OSJ:2D:[Data]						
	Request	QSJ:2D						
	Response	OSJ:2D:[Data]						
P/T ACCELERATION	Control	OSJ:A2:[Data]	0 1	MANUAL AUTO	cam	OSJ:A2:[Data]	OSJ:A2:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:A2:0&res=1
	Response	OSJ:A2:[Data]						
	Request	QSJ:A2						
	Response	OSJ:A2:[Data]						
P/T ACCELERATION RISE S-CURVE	Control	OSJ:A3:[Data]	00h - 1E	0 - 30	cam	OSJ:A3:[Data]	OSJ:A3:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:A3:00&res=1
	Response	OSJ:A3:[Data]						
	Request	QSJ:A3						
	Response	OSJ:A3:[Data]						
P/T ACCELERATION FALL S-CURVE	Control	OSJ:A4:[Data]	00h - 1E	0 - 30	cam	OSJ:A4:[Data]	OSJ:A4:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:A4:00&res=1
	Response	OSJ:A4:[Data]						
	Request	QSJ:A4						
	Response	OSJ:A4:[Data]						
P/T ACCELERATION RISE ACCELERATION	Control	OSJ:A5:[Data]	01h - FFh	1 - 255	cam	OSJ:A5:[Data]	OSJ:A5:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:A5:01&res=1
	Response	OSJ:A5:[Data]						
	Request	QSJ:A5						
	Response	OSJ:A5:[Data]						
P/T ACCELERATION FALL ACCELERATION	Control	OSJ:A6:[Data]	01h - FFh	1 - 255	cam	OSJ:A6:[Data]	OSJ:A6:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:A6:01&res=1
	Response	OSJ:A6:[Data]						
	Request	QSJ:A6						
	Response	OSJ:A6:[Data]						
SPEED WITH ZOOM POSITION	Control	#SWZ[Data]	0 1	OFF ON	ptz	sWZ[Data]	sWZ[Data]	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23SWZ1&res=1
	Response	sWZ[Data]						
	Request	#SWZ						
	Response	sWZ[Data]						
FOCUS ADJUST WITH PTZ.	Control	OAZ:[Data]	0 1	OFF ON	cam	OAZ:[Data]	OAZ:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OAZ:0&res=1
	Response	OAZ:[Data]						
	Request	QAZ						
	Response	OAZ:[Data]						
PRIVACY MODE	Control	OSJ:A7:[Data]	0 1	OFF ON	cam	OSJ:A7:[Data]	OSJ:A7:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:A7:0&res=1
	Response	OSJ:A7:[Data]						
	Request	QSJ:A7						
	Response	OSJ:A7:[Data]						
POWER ON POSITION	Control	OSJ:45:[Data]	0 1 2 3	NONE STANDBY HOME PRESET	cam	OSJ:45:[Data]	OSJ:45:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:45:1&res=1
	Response	OSJ:45:[Data]						
	Request	QSJ:45						
	Response	OSJ:45:[Data]						
PRESET NUMBER	Control	OSJ:46:[Data]	00 - 99	PRESET001 - PRESET100	cam	OSJ:46:[Data]	OSJ:46:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:46:00&res=1
	Response	OSJ:46:[Data]						
	Request	QSJ:46						
	Response	OSJ:46:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
PAN SPEED CONTROL	Control	#P[Data]	01 – 50 – 99	LEFT MAX. SPEED – STOP – RIGHT MAX. SPEED	ptz	–	–	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23P50&res=1
	Response	pS[Data]						
	Request	–						
	Response	–						
TILT SPEED CONTROL	Control	#T[Data]	01 – 50 – 99	DOWN MAX. SPEED – STOP – UP MAX. SPEED	ptz	–	–	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23T50&res=1
	Response	tS[Data]						
	Request	–						
	Response	–						
P/T SPEED CONTROL	Control	#PTS[Data1][Data2]	[Data1] 01 – 50 – 99 [Data2] 01 – 50 – 99	[Data1] LEFT MAX. SPEED – STOP – RIGHT MAX. SPEED [Data2] DOWN MAX. SPEED – STOP – UP MAX. SPEED	ptz	–	–	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23PTS5050&res=1
	Response	pTS[Data1][Data2]						
	Request	–						
	Response	–						
PAN SPEED CONTROL Ex	Control	#HP[Data]	7F00h – 8000h – 8100h	-256 : LEFT MAX. SPEED – 0 : STOP – +256 : RIGHT MAX. SPEED	ptz	–	–	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23HP8000&res=1
	Response	hP[Data]						
	Request	–						
	Response	–						
TILT SPEED CONTROL Ex	Control	#HT[Data]	7F00h – 8000h – 8100h	-256 : DOWN MAX. SPEED – 0 : STOP – +256 : UP MAX. SPEED	ptz	–	–	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23HT8000&res=1
	Response	hT[Data]						
	Request	–						
	Response	–						
P/T SPEED CONTROL Ex	Control	#HPT[Data1][Data2]	[Data1] 7F00h – 8000h – 8100h [Data2] 7F00h – 8000h – 8100h	[Data1] -256 : LEFT MAX. SPEED – 0 : STOP – +256 : RIGHT MAX. SPEED [Data2] -256 : DOWN MAX. SPEED – 0 : STOP – +256 : UP MAX. SPEED	ptz	–	–	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23HPT8000&res=1
	Response	hPT[Data1][Data2]						
	Request	–						
	Response	–						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
P/T Absolute Position Control with Speed and acceleration (PT Independent Control)	Control	#HAC[Data1][Data2][Data3][Data4][Data5][Data6][Data7][Data8]	[Data1] 0000～FFFF [Data2] 0000～FFFF [Data3] 00～FF [Data4] 00～FF [Data5] 01～FF [Data6] 01～FF [Data7] 01～FF [Data8] 01～FF	[Data1] Pan Position (#APC equivalent) [Data2] Tilt Position (#APC equivalent) [Data3] Pan Speed (00:stop 1～255:speed) [Data4] Tilt Speed (00:stop 1～255:speed) [Data5] Pan Rise Acceleration (OSJ:A5 equivalent) [Data6] Tilt Rise Acceleration (OSJ:A5 equivalent) [Data7] Pan Fall Acceleration (OSJ:A6 equivalent) [Data8] Tilt Fall Acceleration (OSJ:A6 equivalent)	ptz	-	-	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23HAC8000800080808080808080&res=1
	Response	hAC[Data1][Data2][Data3][Data4][Data5][Data6][Data7][Data8]						
	Request	-						
	Response	-						
P/T ABSOLUTE POSITION CONTROL	Control	#APC[Data1][Data2]	[Data1] 0000h - 8000h - FFFFh [Data2] 0000h - 8000h - FFFFh	[Data1]PAN POSITION CCW LIMIT - CENTER - CW LIMIT [Data2]TILT POSITION UP LIMIT - CENTER - DOWN LIMIT	ptz	aPC[Data1][Data2]	aPC[Data1][Data2]	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23APC80008000&res=1 Pan : 2D09(-175deg) - D2F5(+175deg) Tilt : 8E38(-30deg) - 1C71(+210deg)
	Response	aPC[Data1][Data2]						
	Request	#APC						
	Response	aPC[Data1][Data2]						
P/T RELATIVE POSITION CONTROL	Control	#RPC[Data1][Data2]	[Data1] 0000h - 8000h - FFFFh [Data2] 0000h - 8000h - FFFFh	[Data1]PAN POSITION CCW LIMIT - CENTER - CW LIMIT [Data2]TILT POSITION UP LIMIT - CENTER - DOWN LIMIT	ptz	-	-	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23RPC80008000&res=1
	Response	rPC[Data1][Data2]						
	Request	-						
	Response	-						
P/T ABSOLUTE POSITION CONTROL WITH SPEED	Control	#APS[Data1][Data2][Data3][Data4]	[Data1] 0000h - 8000h - FFFFh [Data2] 0000h - 8000h - FFFFh [Data3] 00h - 1Dh [Data4] 0 1 2	[Data1]PAN POSITION CCW LIMIT - CENTER - CW LIMIT [Data2]TILT POSITION UP LIMIT - CENTER - DOWN LIMIT [Data3]PRESET SPEED 1 - 30 [Data4]PRESET SPEED TABLE SLOW FAST FAST	ptz	-	-	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23APS800080001D0&res=1 Pan : 2D09(-175deg) - D2F5(+175deg) Tilt : 8E38(-30deg) - 1C71(+210deg)
	Response	aPS[Data1][Data2][Data3][Data4]						
	Request	-						
	Response	-						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
P/T RELATIVE POSITION CONTROL WITH SPEED	Control	#RPS[Data1][Data2][Data3][Data4]	[Data1] 0000h – 8000h – FFFFh [Data2] 0000h – 8000h – FFFFh [Data3] 00h – 1Dh [Data4] 0 1 2	[Data1]PAN POSITION CCW LIMIT – CENTER – CW LIMIT [Data2]TILT POSITION UP LIMIT – CENTER – DOWN LIMIT [Data3]PRESET SPEED 1 – 30 [Data4]PRESET SPEED TABLE SLOW MID FAST	ptz	–	–	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23RPS800080001D0&res=1
	Response	rPS[Data1][Data2][Data3][Data4]						
	Request	–						
	Response	–						
LIMITATION CONTROL	Control	#LC[Data1][Data2]	[Data1] 1 2 3 4 [Data2] 0 1	[Data1] TILT UP TILT DOWN PAN LEFT PAN RIGHT [Data2] RELEASE SET	ptz	lC[Data1][Data2]	lC1[Data2] lC2[Data2] lC3[Data2] lC4[Data2]	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23LC11&res=1
	Response	lC[Data1][Data2]						
	Request	#LC[Data1]						
	Response	lC[Data1][Data2]						
LIMITATION CONTROL(TOGGLE)	Control	#L[Data]	Controller -> P/T 1 2 3 4 P/T -> Controller 0 1	TILT UP TILT DOWN PAN LEFT PAN RIGHT RELEASE SET	ptz	–	–	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23L1&res=1
	Response	l[Data]						
	Request	–						
	Response	–						

CONVINIENT COMMAND

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
GET GAIN/COLOR TEMPERATURE/SHUTTER/ND	Control	-	[Data1] 02h - 14h 80h [Data2] 00000h - 3A98h [Data3] 0h 1h 2h 3h [Data4] 0001h - 2710 h [Data5] 00000h - 186A0h [Data6] 0 1 2 3	[Data1] (GAIN) -6dB - 12dB AGC ON [Data2] (COLOR TEMP) OK - 15000K [Data3] (SHUTTER MODE) OFF STEP SYNCRO ELC [Data4] (SHUTTER STEP) 1/1 - 1/10000 [Data5](SHUTTER SYNCHRO) 0.0 [HZ] - 10000.0[HZ] [Data6] (ND) THROGH 1/4 ND 1/16 ND 1/64 ND	ptz	-	-	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23PTG&res=1
	Response	-						
	Request	#PTG						
	Response	pTG[Data1][Data2][Data3][Data4][Data5][Data6]						
GET PAN/TILT/ZOOM/FOCUS/IRIS	Control	-	[Data1] 0000h - 8000h - FFFFh [Data2] 0000h - 8000h - FFFFh [Data3] 555h - FFFh [Data4] 555h - FFFh [Data5] 555h - FFFh	[Data1] (PAN) CCWLIMIT - CENTER - CWLIMIT [Data2] (TILT) UPLIMIT - CENTER - DOWNLIMIT [Data3] (ZOOM) WIDE - TELE [Data4] (FOCUS) NEAR - FAR [Data5] (IRIS) CLOSE - OPEN	ptz	-	-	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23PTV&res=1
	Response	-						
	Request	#PTV						
	Response	pTV[Data1][Data2][Data3][Data4][Data5]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
GET PAN/TILT/ZOOM/FOCUS/IRIS	Control	-	[Data1] 0000h - FFFFh [Data2] 0000h - FFFFh [Data3] 000h - 3E7h [Data4] 00h - 63h [Data5] 00h - FEh FFh	[Data1] (PAN) 0000H - FFFFH [Data2] (TILT) 0000H - FFFFH [Data3] (ZOOM) 0 - 999 [Data4] (FOCUS) 0 - 99 [Data5] (IRIS) F0.0 - F25.4 CLOSE	ptz	-	-	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23PTD&res=1
	Response	-						
	Request	#PTD						
	Response	pTD[Data1][Data2][Data3][Data4][Data5]						
PTZF SPEED CONTROL 1	Control	#HV1[Data1][Data2][Data3][Data4]	[Data1] 00 01 - 50 - 99 [Data2] 00 01 - 50 - 99 [Data3] 00 01 - 50 - 99 [Data4] 00 01 - 50 - 99	[Data1] NO CHANGE LEFT MAX. SPEED - STOP - RIGHT MAX. SPEED [Data2] NO CHANGE DOWN MAX. SPEED - STOP - UP MAX. SPEED [Data3] NO CHANGE WIDE MAX. SPEED - STOP - TELE MAX. SPEED [Data4] NO CHANGE NEAR MAX. SPEED - STOP - FAR MAX. SPEED	ptz	-	-	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23HV150505050&res=1
	Response	hV1[Data1][Data2][Data3][Data4]						
	Request	-						
	Response	-						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
PTZF SPEED CONTROL 2	Control	#HV2[Data1][Data2][Data3][Data4]	[Data1] 0000h 7F00h – 8000h – 8100h [Data2] 0000h 7F00h – 8000h – 8100h [Data3] 0000h 7F00h – 8000h – 8100h [Data4] 00 01 – 50 – 99	[Data1] NO CHANGE LEFT MAX. SPEED – STOP – RIGHT MAX. SPEED [Data2] NO CHANGE DOWN MAX. SPEED – STOP – UP MAX. SPEED [Data3] NO CHANGE WIDE MAX. SPEED – STOP – TELE MAX. SPEED [Data4] NO CHANGE NEAR MAX. SPEED – STOP – FAR MAX. SPEED	ptz	–	–	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23HV280008000800050&res=1
	Response	hV2[Data1][Data2][Data3][Data4]						
	Request	–						
	Response	–						
PTZF ABSOLUTE CONTROL	Control	#HA1[Data1][Data2][Data3][Data4][Data5][Data6][Data7]	[Data1] 0000h – 8000h – FFFFh [Data2] 0000h – 8000h – FFFFh [Data3] 00h – 1Dh [Data4] 0 2 [Data5] 555h – FFFh [Data6] 01h – 64h [Data7] 555h – FFFh	[Data1]PAN POSITION CCW LIMIT – CENTER – CW LIMIT [Data2]TILT POSITION UP LIMIT – CENTER – DOWN LIMIT [Data3]PRESET SPEED 1 – 30 [Data4]PRESET SPEED TABLE SLOW FAST [Data5]ZOOM POSITION WIDE – TELE [Data6]ZOOM SPEED INVALID [Data7]FOCUS POSITION NEAR – FAR	ptz	–	–	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23HA180008000101555501555&res=1
	Response	hA1[Data1][Data2][Data3][Data4][Data5][Data6][Data7]						
	Request	#HA1						
	Response	hA1[Data1][Data2][Data3][Data4][Data5][Data6][Data7]						

PRESET

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
PRESET PTZ SYNC MODE	Control	OSL:CE:[Data]	0 1	OFF ON	cam	OSL:CE:[Data]	OSL:CE:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:CE:1&res=1
	Response	OSL:CE:[Data]						
	Request	QSL:CE						
	Response	OSL:CE:[Data]						
PRESET SPEED UNIT	Control	OSJ:29:[Data]	0 1	SPEED TABLE TIME	cam	OSJ:29:[Data]	OSJ:29:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:29:0&res=1
	Response	OSJ:29:[Data]						
	Request	QSJ:29						
	Response	OSJ:29:[Data]						
PRESET SPEED TABLE	Control	#PST[Data]	0 2	SLOW FAST	ptz	pST[Data]	pST[Data]	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23PST0&res=1
	Response	pST[Data]						
	Request	#PST						
	Response	pST[Data]						
PRESET SPEED	Control	#UPVS[Data]	000 250 – 999 001h – 063h	PRESET SPEED UNIT :SPEED 30 : MAX SPEED 1 : SLOW – 30 : FAST PRESET SPEED UNIT :TIME 1 second – 99 second	ptz	uPVS[Data]	uPVS[Data]	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23UPVS250&res=1 Preset Speed Unit : Speed 001-275:1 276-301:2 302-327:3 328-353:4 354-379:5 380-404:6 405-430:7 431-456:8 457-482:9 483-508:10 509-534:11 535-559:12 560-585:13 586-611:14 612-637:15 638-663:16 664-689:17 690-714:18 715-740:19 741-766:20 767-792:21 793-818:22 819-844:23 845-869:24 870-895:25 896-921:26 922-947:27 948-973:28 974-998:29 999,000:30
	Response	uPVS[Data]						
	Request	#UPVS						
	Response	uPVS[Data]						
PRESET ACCELERATION	Control	OSJ:A8:[Data]	0 1	MANUAL AUTO	cam	OSJ:A8:[Data]	OSJ:A8:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:A8:0&res=1
	Response	OSJ:A8:[Data]						
	Request	QSJ:A8						
	Response	OSJ:A8:[Data]						
PRESET ACCELERATION RISE S-CURVE	Control	OSJ:A9:[Data]	00h – 1E	0 – 30	cam	OSJ:A9:[Data]	OSJ:A9:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:A9:00&res=1
	Response	OSJ:A9:[Data]						
	Request	QSJ:A9						
	Response	OSJ:A9:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
PRESET ACCELERATION FALL S-CURVE	Control	OSJ:AA:[Data]	00h – 1E	0 – 30	cam	OSJ:AA:[Data]	OSJ:AA:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:AA:00&res=1
	Response	OSJ:AA:[Data]						
	Request	QSJ:AA						
	Response	OSJ:AA:[Data]						
PRESET ACCELERATION RISE ACCELERATION	Control	OSJ:AB:[Data]	01h – FFh	1 – 255	cam	OSJ:AB:[Data]	OSJ:AB:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:AB:01&res=1
	Response	OSJ:AB:[Data]						
	Request	QSJ:AB						
	Response	OSJ:AB:[Data]						
PRESET ACCELERATION FALL ACCELERATION	Control	OSJ:AC:[Data]	01h – FFh	1 – 255	cam	OSJ:AC:[Data]	OSJ:AC:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:AC:01&res=1
	Response	OSJ:AC:[Data]						
	Request	QSJ:AC						
	Response	OSJ:AC:[Data]						
PRESET ACCELERATION RISE RAMP TIME	Control	OSJ:AD:[Data]	01h – 64h	0.1s – 10.0s	cam	OSJ:AD:[Data]	OSJ:AD:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:AD:01&res=1
	Response	OSJ:AD:[Data]						
	Request	QSJ:AD						
	Response	OSJ:AD:[Data]						
PRESET ACCELERATION FALL RAMP TIME	Control	OSJ:AE:[Data]	01h – 64h	0.1s – 10.0s	cam	OSJ:AE:[Data]	OSJ:AE:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:AE:01&res=1
	Response	OSJ:AE:[Data]						
	Request	QSJ:AE						
	Response	OSJ:AE:[Data]						
PRESET SCOPE	Control	OSE:71:[Data]	0 1 2	MODE A MODE B MODE C	cam	OSE:71:[Data]	OSE:71:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSE:71:0&res=1
	Response	OSE:71:[Data]						
	Request	QSE:71						
	Response	OSE:71:[Data]						
PRESET DIGITAL EXTENDER	Control	OSE:7C:[Data]	0 1	OFF ON	cam	OSE:7C:[Data]	OSE:7C:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSE:7C:0&res=1
	Response	OSE:7C:[Data]						
	Request	QSE:7C						
	Response	OSE:7C:[Data]						
PRESET CROP	Control	OSJ:2A:[Data]	0 1	OFF ON	cam	OSJ:2A:[Data]	OSJ:2A:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:2A:0&res=1
	Response	OSJ:2A:[Data]						
	Request	QSJ:2A						
	Response	OSJ:2A:[Data]						
PRESET THUMBNAIL UPDATE	Control	OSJ:2B:[Data]	0 1	OFF ON	cam	OSJ:2B:[Data]	OSJ:2B:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:2B:0&res=1
	Response	OSJ:2B:[Data]						
	Request	QSJ:2B						
	Response	OSJ:2B:[Data]						
PRESET NAME	Control	OSJ:2C:[Data]	0 1	RESET HOLD	cam	OSJ:2C:[Data]	OSJ:2C:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:2C:0&res=1
	Response	OSJ:2C:[Data]						
	Request	QSJ:2C						
	Response	OSJ:2C:[Data]						
PRESET IRIS	Control	OSJ:5B:[Data]	0 1	OFF ON	cam	OSJ:5B:[Data]	OSJ:5B:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:5B:0&res=1
	Response	OSJ:5B:[Data]						
	Request	QSJ:5B						
	Response	OSJ:5B:[Data]						
PRESET SHUTTER	Control	OSJ:D5:[Data]	0 1	OFF ON	cam	OSJ:D5:[Data]	OSJ:D5:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:D5:0&res=1
	Response	OSJ:D5:[Data]						
	Request	QSJ:D5						
	Response	OSJ:D5:[Data]						
PRESET ZOOM MODE	Control	OSE:7D:[Data]	0 1	MODE A MODE B	cam	OSE:7D:[Data]	OSE:7D:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSE:7D:0&res=1
	Response	OSE:7D:[Data]						
	Request	QSE:7D						
	Response	OSE:7D:[Data]						
FREEZE DURING PRESET	Control	#PRF[Data]	0 1	OFF ON	ptz	pRF[Data]	pRF[Data]	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23PRF0&res=1
	Response	pRF[Data]						
	Request	#PRF						
	Response	pRF[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
RECALL PRESET MEMORY	Control	#R[Data]	00 – 99	PRESET001 – PRESET100	ptz	–	–	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23R00&res=1
	Response	s[Data]						
	Request	–						
	Response	–						
SAVE PRESET MEMORY	Control	#M[Data]	00 – 99	PRESET001 – PRESET100	ptz	–	–	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23M00&res=1
	Response	s[Data]						
	Request	–						
	Response	–						
DELETE PRESET MEMORY	Control	#C[Data]	00 – 99	PRESET001 – PRESET100	ptz	–	–	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23C00&res=1
	Response	s[Data]						
	Request	–						
	Response	–						
PRESET ENTRY CONFIRMATION	Control	–	[Data1] 00h – 02h	[Data1] MULTIPLE (EACH 40 PRESERT NO)	ptz	pE[Data1][Data2]	pE00[Data2] pE01[Data2] pE02[Data2]	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23PE00&res=1
	Response	–	[Data2] 0000000000h – FFFFFFFFFFh (bit0) 0 1 (bit1) 0 1 – (39bit) 0 1	[Data2] PRESET NO.(Data1*40 +1) NO ENTRY ENTRY PRESET NO.(Data1*40 +2) NO ENTRY ENTRY – PRESET NO.(Data1*40 +40) NO ENTRY ENTRY				
	Request	#PE[Data1]						
	Response	pE[Data1][Data2]						
REQUEST LATEST RECALL PRESET NO.	Control	–	00 – 99	PRESET001 – PRESET100	ptz	s[Data]	s[Data]	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23S&res=1
	Response	–						
	Request	#S						
	Response	s[Data]						
PRESET COMPLETION NOTIFICATION	Control	–	00 – 99	PRESET001 – PRESET100	ptz	q[Data]	–	See 6-4 Preset playback
	Response	q[Data]						
	Request	–						
	Response	–						
SAVE PRESET NAME	Control	OSJ:35:[Data1]:[Data2]	[Data1] 00 – 99 [Data2] xxxxxxxxxx xxxx	[Data1] PRESET001 – PRESET100 [Data2] PRESET NAME (FIXED 15 CHARACTORS)	cam	OSJ:35:[Data1]:[Data2]	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:35:00:xxxxxxxxxxxxxx&res=1
	Response	OSJ:35:[Data1]:[Data2]						
	Request	QSJ:35:[Data1]						
	Response	OSJ:35:[Data1]:[Data2]						
DELETE PRESET NAME (SINGLE)	Control	OSJ:36:[Data1]	00 – 99	PRESET001 – PRESET100	cam	OSJ:36:[Data]	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:36:00&res=1
	Response	OSJ:36:[Data]						
	Request	–						
	Response	–						
DELETE PRESET NAME (ALL)	Control	OSJ:37	–	–	cam	OSJ:37	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:37&res=1
	Response	OSJ:37						
	Request	–						
	Response	–						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
UPDATE PRESET THUMBNAIL	Control	OSJ:39:[Data1]	00 – 99	PRESET001 – PRESET100	cam	OSJ:39:[Data]	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:39:00&res=1
	Response	OSJ:39:[Data]						
	Request							
	Response							
DELETE PRESET THUMBNAIL (SINGLE)	Control	OSJ:3A:[Data1]	00 – 99	PRESET001 – PRESET100	cam	OSJ:3A:[Data]	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:3A:00&res=1
	Response	OSJ:3A:[Data]						
	Request	–						
	Response	–						
DELETE PRESET THUMBNAIL (ALL)	Control	OSJ:3B	–	–	cam	OSJ:3B	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:3B&res=1
	Response	OSJ:3B						
	Request	–						
	Response	–						
PRESET NAME/PRESET THUMBNAIL COUNTER	Control	–	[Data1] 00h 01h 02h 03h 04h 05h 06h 07h 08h 09h 0Ah 0Bh [Data2] 000000000h – FFFFFFFFh	[Data1] PRESET 001-009 PRESET 010-018 PRESET 019-027 PRESET 028-036 PRESET 037-045 PRESET 046-054 PRESET 055-063 PRESET 064-072 PRESET 073-081 PRESET 082-090 PRESET 091-099 PRESET 100 [Data2] 000000000H – FFFFFFFFH	cam	–	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=QSJ:3C:00&res=1
	Response	–						
	Request	QSJ:3C:[Data1]						
	Response	OSJ:3C:[Data1]:[Data2]						

See Chapter.6 for Preset sequence

FILES

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
SCENE UPDATE	Control	OSM:3F:[Data]	0 1	OFF ON	cam	OSM:3F:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSM:3F:0&res=1
	Response	OSM:3F:[Data]						
	Request	QSM:3F						
	Response	OSM:3F:[Data]						
SCENE FILE LOAD	Control	OSL:8F:[Data]	0 1 - 8	OFF SCENE1 - SCENE8	cam	OSL:8F:[Data]	OSL:8F:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:8F:1&res=1
	Response	OSL:8F:[Data]						
	Request	QSL:8F						
	Response	OSL:8F:[Data]						
SCENE FILE LOAD	Control	XSF:[Data]	0 1 - 8 9	- SCENE1 - SCENE8 OFF	cam	XSF:[Data]	XSF:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=XSF:1&res=1
	Response	XSF:[Data]						
	Request	QSF	0 - 7 8 9	SCENE1 - SCENE8 OFF -				
	Response	OSF:[Data]						
SCENE FILE STORE	Control	OSL:90:[Data]	1 - 8	SCENE1 - SCENE8	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:90:1&res=1
	Response	OSL:90:[Data]						
	Request	-						
	Response	-						
SCENE FILE FILE NAME	Control	OSL:91:[Data1]:[Data2]	[Data1] 1 - 8 [Data2] xxxxxxxx (30 DATA in ASCII CODE)	[Data1] SCENE1 - SCENE8 [Data2] SCENE FILE NAME (FIXED 15 CHARACTORS)	cam	OSL:91:[Data1]:[Data2]	_	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:91:5343454E4531000000000000000000000&res=1 alphanumeric space ! # % & ' ( ) * + , - . / : ; < = > ? [ ] _ ~
	Response	OSL:91:[Data1]:[Data2]						
	Request	QSL:91:[Data1]						
	Response	OSL:91:[Data1]:[Data2]						
USER FILE LOAD	Control	OSL:92:[Data]	1 - 3	USER1 - USER3	cam	OSL:92:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:92:1&res=1
	Response	OSL:92:[Data]						
	Request	-						
	Response	-						
USER FILE STORE	Control	OSL:93:[Data]	1 - 3	USER1 - USER3	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:93:1&res=1
	Response	OSL:93:[Data]						
	Request	-						
	Response	-						
USER FILE FILE NAME	Control	OSL:94:[Data1]:[Data2]	[Data1] 1 - 3 [Data2] xxxxxxxx (30 DATA in ASCII CODE)	[Data1] USER1 - USER3 [Data2] SCENE FILE NAME (FIXED 15 CHARACTORS)	cam	OSL:94:[Data1]:[Data2]	_	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:94:55534552310000000000000000000000&res=1 alphanumeric space ! # % & ' ( ) * + , - . / : ; < = > ? [ ] _ ~
	Response	OSL:94:[Data1]:[Data2]						
	Request	QSL:94:[Data1]						
	Response	OSL:94:[Data1]:[Data2]						

When load SCENE, update notification of each command belonging to the SCENE wii be sent

Item	Command	Item	Command
ND FILTER	OFT	B WHITE CLIP LEVEL	OSL:48
FLARE	OSA:11	HI-COLOR	OSL:49
GAMMA	OSA:0A	HI-COLOR LEVEL	OSL:4A
BLACK GAMMA	OSA:0B	EFFECT DEPTH	OSL:4B
KNEE	OSL:45	PRESET MATRIX	OSE:31
KNEE MODE	OSL:46,OSA:2D	LINEAR TABLE	OSA:00
WHITE CLIP	OSA:2E	COLOR CORRECT TABLE	OSL:6E
DRS	OSA:0D	MATRIX (R-G)_N	OSD:2F
DETAIL	ODT	MATRIX (R-G)_P	OSL:6F
SKIN TONE DETAIL	OSA:40	MATRIX (R-B)_N	OSD:30
MATRIX	OSA:84	MATRIX (R-B)_P	OSL:70
LINEAR MATRIX	OSL:6C	MATRIX (G-R)_N	OSD:31
COLOR CORRECT	OSA:85	MATRIX (G-R)_P	OSL:71

Item	Command	Item	Command
GAIN	OSL:25,OGU	MATRIX (G-B)_N	OSD:32
AGC	OSL:26	MATRIX (G-B)_P	OSL:72
AUTO IRIS	ORS,#D3	MATRIX (B-R)_N	OSD:33
ATW	OSL:2A	MATRIX (B-R)_P	OSL:73
WHITE BALANCE MODE	OSL:2B,OAW	MATRIX (B-G)_N	OSD:34
SHUTTER SW	OSG:59	MATRIX (B-G)_P	OSL:74
AUTO SHUTTER	OSL:2E	MEMORY SELECT	OSL:69
SHUTTER MODE	OSG:5A,OSJ:03	ZEBRA	OSA:49
G GAIN REL CONTROL SW	OSL:35	ZEBRA EFFECT MEMORY	OSL:6A
RGB GAIN PRESET > R GAIN	OSL:36	SKIN TONE EFFECT MEMORY	OSG:48
RGB GAIN PRESET > G GAIN	OSL:37	SKIN TONE CRISP	OSG:49
RGB GAIN PRESET > B GAIN	OSL:38	I CENTER	OSA:45
RGB GAIN ACH/BCH > R GAIN ACH	OSL:39	I WIDTH	OSA:46
RGB GAIN ACH/BCH > G GAIN ACH	OSL:3A	Q WIDTH	OSA:47
RGB GAIN ACH/BCH > B GAIN ACH	OSL:3B	Q PHASE	OSG:4F
RGB GAIN ACH/BCH > GAIN OFFSET ACH	OSJ:0C	G SAT	OSD:8E
RGB GAIN ACH/BCH > R GAIN BCH	OSL:3C	G_CY SAT	OSD:90
RGB GAIN ACH/BCH > G GAIN BCH	OSL:3D	CY SAT	OSD:92
RGB GAIN ACH/BCH > B GAIN BCH	OSL:3E	CY_B SAT	OSD:94
RGB GAIN ACH/BCH > GAIN OFFSET BCH	OSL:3F	B SAT	OSD:96
AGC MAX GAIN	OSD:69	B_MG SAT	OSD:80
FRAME MIX SW	OSL:27	MG SAT	OSD:82
FRAME MIX	OSL:28,OSA:65	MG_R SAT	OSD:84
DAY/NIGHT	#D6	R SAT	OSD:86
MASTER PEDESTAL	OSJ:0F	R_YE SAT	OSD:88
R PEDESTAL	OSG:4C	YE SAT	OSD:8A
G PEDESTAL	OSG:4D	YE_G SAT	OSD:8C
B PEDESTAL	OSG:4E	G PHASE	OSD:8F
PEDESTAL OFFSET	OSJ:11	G_CY PHASE	OSD:91
MASTER FLARE	OSL:40	CY PHASE	OSD:93
R FLARE	OSL:41	CY_B PHASE	OSD:95
G FLARE	OSL:42	B PHASE	OSD:97
B FLARE	OSL:43	B_MG PHASE	OSD:81
MASTER DETAIL	OSA:30	MG_PHASE	OSD:83
PEAK FREQUENCY	OSG:30	MG_R PHASE	OSD:85
CRISP	OSD:22	R PHASE	OSD:87
DETAIL GAIN(+)	OSA:38	R_YE PHASE	OSD:89
DETAIL GAIN(-)	OSA:39	YE PHASE	OSD:8B
DETAIL CLIP(+)	OSG:40	YE_G PHASE	OSD:8D
DETAIL CLIP(-)	OSG:41	DOWNCON > CHROMA LEVEL SW	OSL:4F
KNEE APERTURE LEVEL	OSG:3F	DOWNCON > CHROMA LEVEL	OSL:50
DETAIL KNEE	OSL:4C	DOWNCON > DETAIL	OSJ:14
LEVEL DEPENDENT SW	OSG:3E	DOWNCON > MASTER DETAIL	OSJ:15
LEVEL DEPENDENT	OSD:26	DOWNCON > H DETAIL LEVEL	OSL:51
DARK DETAIL SW	OSL:4D	DOWNCON > V DETAIL LEVEL	OSJ:17
DARK DETAIL	OSL:4E	DOWNCON > PEAK FREQUENCY	OSL:52
W.BAL VAR	OSI:20	DOWNCON > V DETAIL FREQUENCY	OSL:53
ATW SPEED	OSI:25	DOWNCON > CRISP	OSL:54
ATW TARGET R	OSJ:0D	DOWNCON > DETAIL CLIP(+)	OSL:57
ATW TARGET B	OSJ:0E	DOWNCON > DETAIL CLIP(-)	OSL:58
SHOCKLESS WB SW	OSL:2C	DOWNCON > KNEE APERTURE LEVEL	OSL:5A
SHOCKLESS WB SPEED	OSL:2D	DOWNCON > DETAIL KNEE	OSL:5B
AUTO SHUTTER LIMIT	OSD:BF	DOWNCON > LEVEL DEPENDENT SW	OSL:5C
SHUTTER SPEED	OSJ:06	DOWNCON > LEVEL DEPENDENT	OSL:5D
SYNCHRO SCAN	OSJ:09	DOWNCON > DARK DETAIL SW	OSL:5E
CHROMA LEVEL SW	OSG:93	DOWNCON > DARK DETAIL	OSL:5F
CHROMA LEVEL	OSL:BO,OSD:BO	DOWNCON > SKIN TONE DETAIL	OSL:60
COLOR TEMP ACH	OSJ:4A	DOWNCON > MEMORY SELECT	OSL:B1
R GAIN ACH	OSJ:4B	DOWNCON > ZEBRA	OSL:61
B GAIN ACH	OSJ:4C	DOWNCON > ZEBRA EFFECT MEMORY	OSL:62
G AXIS ACH	OSJ:4D	DOWNCON > SKIN TONE EFFECT MEMORY	OSL:63
COLOR TEMP BCH	OSL:2F	DOWNCON > SKIN TONE CRISP	OSL:64
R GAIN BCH	OSL:32	DOWNCON > I CENTER	OSL:65
B GAIN BCH	OSL:33	DOWNCON > I WIDTH	OSL:66
G AXIS BCH	OSL:34	DOWNCON > Q WIDTH	OSL:67
GAMMA MODE SELECT	OSJ:D7	DOWNCON > Q PHASE	OSL:68
MASTER GAMMA	OSA:6A	DNR	OSD:3A
R GAMMA	OSI:35	DNR LEVEL	OSG:B5
B GAMMA	OSI:36	HDR PAINT > HLG MODE	OSI:39
MASTER BLACK GAMMA	OSA:07	HDR PAINT > SDR CONVERT MODE	OSI:3A

Item	Command	Item	Command
R BLACK GAMMA	OSA:08	HDR PAINT > BLACK GAMMA	OSI:3C
B BLACK GAMMA	OSA:09	HDR PAINT > MASTER BLACK GAMMA	OSI:3D
BLACK GAMMA RANGE	OSJ:1B	HDR PAINT > R BLACK GAMMA	OSI:3E
INITIAL GAMMA	OSL:44	HDR PAINT > B BLACK GAMMA	OSI:3F
KNEE MASTER POINT	OSA:20	HDR PAINT > KNEE	OSI:40
KNEE R POINT	OSA:22	HDR PAINT > KNEE POINT	OSI:41
KNEE B POINT	OSA:23	HDR PAINT > KNEE SLOPE	OSI:42
KNEE MASTER SLOPE	OSA:24	HDR PAINT > GAIN	OSI:43
KNEE R SLOPE	OSA:26	HDR PAINT > POINT	OSL:88
KNEE B SLOPE	OSA:27	HDR PAINT > SLOPE	OSL:89
AUTO KNEE RESPONSE	OSG:97	HDR PAINT > BLACK OFFSET	OSL:8A
MASTER WHITE CLIP LEVEL	OSA:2A	PICTURE LEVEL	OSD:48
R WHITE CLIP LEVEL	OSL:47	AUTO IRIS WINDOW POSISION	OSL:CD

When load USER FILE, update notification of each command belonging to the USER FILE wii be sent

Item	Command	Item	Command
ND FILTER	OFT	DOWNCON > KNEE APERTURE LEVEL	OSL:5A
FLARE	OSA:11	DOWNCON > DETAIL KNEE	OSL:5B
GAMMA	OSA:0A	DOWNCON > LEVEL DEPENDENT SW	OSL:5C
BLACK GAMMA	OSA:0B	DOWNCON > LEVEL DEPENDENT	OSL:5D
KNEE	OSL:45	DOWNCON > DARK DETAIL SW	OSL:5E
KNEE MODE	OSL:46,OSA:2D	DOWNCON > DARK DETAIL	OSL:5F
WHITE CLIP	OSA:2E	DOWNCON > SKIN TONE DETAIL	OSL:60
DRS	OSA:0D	DOWNCON > MEMORY SELECT	OSL:B1
DETAIL	ODT	DOWNCON > ZEBRA	OSL:61
SKIN TONE DETAIL	OSA:40	DOWNCON > ZEBRA EFFECT MEMORY	OSL:62
MATRIX	OSA:84	DOWNCON > SKIN TONE EFFECT MEMORY	OSL:63
LINEAR MATRIX	OSL:6C	DOWNCON > SKIN TONE CRISP	OSL:64
COLOR CORRECT	OSA:85	DOWNCON > I CENTER	OSL:65
GAIN	OSL:25,OGU	DOWNCON > I WIDTH	OSL:66
AGC	OSL:26	DOWNCON > Q WIDTH	OSL:67
AUTO IRIS	ORS,#D3	DOWNCON > Q PHASE	OSL:68
ATW	OSL:2A	DNR	OSD:3A
WHITE BALANCE MODE	OSL:2B,OAW	DNR LEVEL	OSG:B5
SHUTTER SW	OSG:59	HDR PAINT > HLG MODE	OSI:39
AUTO SHUTTER	OSL:2E	HDR PAINT > SDR CONVERT MODE	OSI:3A
SHUTTER MODE	OSG:5A,OSJ:03	HDR PAINT > BLACK GAMMA	OSI:3C
G GAIN REL CONTROL SW	OSL:35	HDR PAINT > MASTER BLACK GAMMA	OSI:3D
RGB GAIN PRESET > R GAIN	OSL:36	HDR PAINT > R BLACK GAMMA	OSI:3E
RGB GAIN PRESET > G GAIN	OSL:37	HDR PAINT > B BLACK GAMMA	OSI:3F
RGB GAIN PRESET > B GAIN	OSL:38	HDR PAINT > KNEE	OSI:40
RGB GAIN ACH/BCH > R GAIN ACH	OSL:39	HDR PAINT > KNEE POINT	OSI:41
RGB GAIN ACH/BCH > G GAIN ACH	OSL:3A	HDR PAINT > KNEE SLOPE	OSI:42
RGB GAIN ACH/BCH > B GAIN ACH	OSL:3B	HDR PAINT > GAIN	OSI:43
RGB GAIN ACH/BCH > GAIN OFFSET ACH	OSJ:0C	HDR PAINT > POINT	OSL:88
RGB GAIN ACH/BCH > R GAIN BCH	OSL:3C	HDR PAINT > SLOPE	OSL:89
RGB GAIN ACH/BCH > G GAIN BCH	OSL:3D	HDR PAINT > BLACK OFFSET	OSL:8A
RGB GAIN ACH/BCH > B GAIN BCH	OSL:3E	PICTURE LEVEL	OSD:48
RGB GAIN ACH/BCH > GAIN OFFSET BCH	OSL:3F	WINDOW SELECT	OSJ:02
AGC MAX GAIN	OSD:69	PEAK RATIO	OSL:29
FRAME MIX SW	OSL:27	AUTO IRIS CLOSE LIMIT	OSJ:C0
FRAME MIX	OSL:28,OSA:65	IRIS SPEED	OSJ:01
DAY/NIGHT	#D6	V-LOG	OSJ:56
MASTER PEDESTAL	OSJ:0F	V-LOG PAINT SW	OSL:01
R PEDESTAL	OSG:4C	HDR	OSI:2C
G PEDESTAL	OSG:4D	GAMUT	OSL:02
B PEDESTAL	OSG:4E	SHOOTING MODE	OSI:30
PEDESTAL OFFSET	OSJ:11	BAUD RATE	OVP:04
MASTER FLARE	OSL:40	BAR	DCB
R FLARE	OSL:41	COLOR BAR TYPE	OSD:BA
G FLARE	OSL:42	TONE	OSJ:27
B FLARE	OSL:43	TALLY	#TAE
MASTER DETAIL	OSA:30	TALLY BRIGHTNESS	OSA:D3
PEAK FREQUENCY	OSG:30	TALLY GUARD	OSL:04
CRISP	OSD:22	TALLY LED LIMIT R	OSJ:D9
DETAIL GAIN(+)	OSA:38	TALLY LED LIMIT G	OSJ:DA
DETAIL GAIN(-)	OSA:39	TALLY LED LIMIT Y	OSL:05
DETAIL CLIP(+)	OSG:40	EXTERNAL OUTPUT1	OSJ:41
DETAIL CLIP(-)	OSG:41	EXTERNAL OUTPUT2	OSJ:42
KNEE APERTURE LEVEL	OSG:3F	REF SIGNAL	OSL:08

Item	Command	Item	Command
DETAIL KNEE	OSL:4C	H PHASE-COARSE	OSL:09
LEVEL DEPENDENT SW	OSG:3E	H PHASE-FINE	OSL:0A
LEVEL DEPENDENT	OSD:26	BAR ID	OSD:BE
DARK DETAIL SW	OSL:4D	BAR ID > BRIGHTNESS	OSL:0B
DARK DETAIL	OSL:4E	BAR ID > ID1 POSITION V	OSL:0C
W.BAL VAR	OSI:20	BAR ID > ID1 POSITION H	OSL:0D
ATW SPEED	OSI:25	BAR ID > ID1	OSL:0E
ATW TARGET R	OSJ:0D	BAR ID > ID2 POSITION V	OSL:0F
ATW TARGET B	OSJ:0E	BAR ID > ID2 POSITION H	OSL:10
SHOCKLESS WB SW	OSL:2C	BAR ID > ID2	OSL:11
SHOCKLESS WB SPEED	OSL:2D	BAR ID > OFFSET V	OSL:12
AUTO SHUTTER LIMIT	OSD:BF	BAR ID > OFFSET H	OSL:13
SHUTTER SPEED	OSJ:06	12G SDI OUT/SFP+ HDR OUTPUT SELECT	OSJ:1F
SYNCHRO SCAN	OSJ:09	12G SDI OUT/SFP+V-LOG OUTPUT SELECT	OSJ:57
CHROMA LEVEL SW	OSG:93	12G SDI OUT/SFP+OUTPUT ITEM	OSL:14
CHROMA LEVEL	OSL:BO, OSD:BO	3G SDI OUT1 HDR OUTPUT SELECT	OSJ:22
COLOR TEMP ACH	OSJ:4A	3G SDI OUT1 V-LOG OUTPUT SELECT	OSJ:58
R GAIN ACH	OSJ:4B	3G SDI OUT1 OUTPUT ITEM	OSL:15
B GAIN ACH	OSJ:4C	CHAR	OSE:7B
G AXIS ACH	OSJ:4D	3G SDI OUT1 3G SDI	OSI:29
COLOR TEMP BCH	OSL:2F	3G SDI OUT2/PM OUTPUT SELECT	OSL:17
R GAIN BCH	OSL:32	3G SDI OUT2/PM HDR OUTPUT SELECT	OSJ:24
B GAIN BCH	OSL:33	3G SDI OUT2/PM V-LOG OUTPUT SELECT	OSJ:59
G AXIS BCH	OSL:34	3G SDI OUT2/PM OUTPUT ITEM	OSL:18
GAMMA MODE SELECT	OSJ:D7	3G SDI OUT2/PM 3G SDI	OSL:1A
MASTER GAMMA	OSA:6A	HDMI HDR OUTPUT SELECT	OSJ:26
R GAMMA	OSI:35	HDMI V-LOG OUTPUT SELECT	OSJ:5A
B GAMMA	OSI:36	VIDEO SAMPLING	OSE:68
MASTER BLACK GAMMA	OSA:07	RETURN1 ID	OSL:1B
R BLACK GAMMA	OSA:08	AUDIO	OSA:D0
B BLACK GAMMA	OSA:09	AUDIO > INPUT SELECT	OSL:1C
BLACK GAMMA RANGE	OSJ:1B	AUDIO > MIC GAIN	OSL:1D
INITIAL GAMMA	OSL:44	AUDIO > LINE LEVEL	OSA:D4
KNEE MASTER POINT	OSA:20	AUDIO > CH SELECT	OSL:1E
KNEE R POINT	OSA:22	AUDIO > CH1 VOLUME LEVEL	OSA:D5
KNEE B POINT	OSA:23	AUDIO > CH2 VOLUME LEVEL	OSA:D5
KNEE MASTER SLOPE	OSA:24	AUDIO > HEAD ROOM	OSA:D6
KNEE R SLOPE	OSA:26	IP(H.264/H.265) OUTPUT ITEM	OSL:23
KNEE B SLOPE	OSA:27	FOCUS MODE	OAF, #D1
AUTO KNEE RESPONSE	OSG:97	AF SENSITIVITY	OSJ:D8
MASTER WHITE CLIP LEVEL	OSA:2A	ZOOM MODE	OSE:70, OSD:B3
R WHITE CLIP LEVEL	OSL:47	MAX DIGITAL ZOOM	OSE:7A
B WHITE CLIP LEVEL	OSL:48	DIGITAL EXTENDER	OSJ:4E
HI-COLOR	OSL:49	O.I.S.	OSL:8B
HI-COLOR LEVEL	OSL:4A	O.I.S. MODE	OSL:8C, OIS
EFFECT DEPTH	OSL:4B	WFM MODE	OSL:8D
PRESET MATRIX	OSE:31	WFM POSITION	OSL:8E
LINEAR TABLE	OSA:00	RETURN SELECT	OSL:B3
COLOR CORRECT TABLE	OSL:6E	STATUS(AUTO)	OSA:88
MATRIX (R-G)_N	OSD:2F	LEVEL GAUGE	OSL:03
MATRIX (R-G)_P	OSL:6F	SERIAL	OSJ:54
MATRIX (R-B)_N	OSD:30	IP	OSJ:55
MATRIX (R-B)_P	OSL:70	INVERT PAN/TILT AXIS	OSJ:C1
MATRIX (G-R)_N	OSD:31	CAMERA ID	OSJ:F4
MATRIX (G-R)_P	OSL:71	UHD CROP	OSJ:2E
MATRIX (G-B)_N	OSD:32	CROP ZOOM	OSJ:92
MATRIX (G-B)_P	OSL:72	CROP AF	OSJ:91
MATRIX (B-R)_N	OSD:33	3G SDI1 OUT	OSI:32
MATRIX (B-R)_P	OSL:73	NDI OUT	OSJ:93
MATRIX (B-G)_N	OSD:34	IP(H.264/H.265) OUT1	OSI:33
MATRIX (B-G)_P	OSL:74	IP(H.264/H.265) OUT2	OSJ:94
MEMORY SELECT	OSL:69	CROP MARKER	OSI:1A
ZEBRA	OSA:49	CROP OUT	OSI:16
ZEBRA EFFECT MEMORY	OSL:6A	CROP ADJUST	OSI:17
SKIN TONE EFFECT MEMORY	OSG:48	CROP H POSITION	OSJ:AF, OSJ:2F, OSJ:31, OSJ:33
SKIN TONE CRISP	OSG:49	CROP V POSITION	OSJ:B0, OSJ:30, OSJ:32, OSJ:34
I CENTER	OSA:45	CROP ZOOM RATIO	OSJ:B1, OSJ:98, OSJ:99, OSJ:9A

Item	Command	Item	Command
I WIDTH	OSA:46	SMART PICTURE FLIP	#SPF
Q WIDTH	OSA:47	INSTALL POSITION	#INS
Q PHASE	OSG:4F	FLIP DETECT ANGLE	#FDA
G SAT	OSD:8E	P/T SPEED MODE	OSJ:2D
G_CY SAT	OSD:90	P/T ACCELERATION	OSJ:A2
CY SAT	OSD:92	P/T ACCELERATION > RISE S-CURVE	OSJ:A3
CY_B SAT	OSD:94	P/T ACCELERATION > FALL S-CURVE	OSJ:A4
B SAT	OSD:96	P/T ACCELERATION > RISE ACCELERATION	OSJ:A5
B_MG SAT	OSD:80	P/T ACCELERATION > FALL ACCELERATION	OSJ:A6
MG_SAT	OSD:82	SPEED WITH ZOOM POSITION	#SWZ
MG_R SAT	OSD:84	FOCUS ADJUST WITH PTZ.	OAZ
R SAT	OSD:86	PRIVACY MODE	OSJ:A7
R_YE SAT	OSD:88	POWER ON POSITION	OSJ:45
YE SAT	OSD:8A	PRESET NUMBER	OSJ:46
YE_G SAT	OSD:8C	PRESET SPEED UNIT	OSJ:29
G PHASE	OSD:8F	PRESET SPEED	#UPVS
G_CY PHASE	OSD:91	PRESET SPEED TABLE	#PST
CY PHASE	OSD:93	PRESET ACCELERATION	OSJ:A8
CY_B PHASE	OSD:95	PRESET ACCELERATION > RISE S-CURVE	OSJ:A9
B PHASE	OSD:97	PRESET ACCELERATION > FALL S-CURVE	OSJ:AA
B_MG PHASE	OSD:81	PRESET ACCELERATION > RISE ACCELERATION	OSJ:AB
MG_PHASE	OSD:83	PRESET ACCELERATION > FALL ACCELERATION	OSJ:AC
MG_R PHASE	OSD:85	PRESET ACCELERATION > RISE RAMP TIME	OSJ:AD
R PHASE	OSD:87	PRESET ACCELERATION > FALL RAMP TIME	OSJ:AE
R_YE PHASE	OSD:89	PRESET SCOPE	OSE:71
YE PHASE	OSD:8B	PRESET DIGITAL EXTENDER	OSE:7C
YE_G PHASE	OSD:8D	PRESET CROP	OSJ:2A
DOWNCON > CHROMA LEVEL SW	OSL:4F	PRESET THUMBNAIL UPDATE	OSJ:2B
DOWNCON > CHROMA LEVEL	OSL:50	PRESET NAME	OSJ:2C
DOWNCON > DETAIL	OSJ:14	PRESET IRIS	OSJ:5B
DOWNCON > MASTER DETAIL	OSJ:15	PRESET SHUTTER	OSJ:D5
DOWNCON > H DETAIL LEVEL	OSL:51	PRESET ZOOM MODE	OSE:7D
DOWNCON > V DETAIL LEVEL	OSJ:17	FREEZE DURING PRESET	#PRF
DOWNCON > PEAK FREQUENCY	OSL:52	FAN1	#FAN
DOWNCON > V DETAIL FREQUENCY	OSL:53	FAN2	#FA2
DOWNCON > CRISP	OSL:54	WIRELESS CONTROL	#WLC
DOWNCON > DETAIL CLIP(+)	OSL:57	WIRELESS ID	#RID
DOWNCON > DETAIL CLIP(-)	OSL:58	STATUS LAMP	#LMP
AUTO IRIS WINDOW POSISION	OSL:CD	PRESET PTZ SYNC MODE	OSL:CE

MAINTENANCE

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
FAN1	Control	#FAN[Data]	0 1 2 3	AUTO HIGH MID LOW	ptz	fAN[Data]	fAN[Data]	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23FAN0&res=1
	Response	fAN[Data]						
	Request	#FAN						
	Response	fAN[Data]						
FAN STATUS1	Control	-	0 1 2	OFF ON ERROR	ptz	fS1[Data]	-	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23FS1&res=1
	Response	-						
	Request	#FS1						
	Response	fS1[Data]						
FAN2	Control	#FA2[Data]	0 1 2 3	AUTO HIGH MID LOW	ptz	fA2[Data]	fA2[Data]	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23FA20&res=1
	Response	fA2[Data]						
	Request	#FA2						
	Response	fA2[Data]						
FAN STATUS2	Control	-	0 1 2	OFF ON ERROR	ptz	fS2[Data]	-	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23FS2&res=1
	Response	-						
	Request	#FS2						
	Response	fS2[Data]						
SYSTEM VERSION	Control	-	VXX.XX-XXX-XX.XX	VXX.XX-XXX-XX.XX Ex) V01.00-000-00.00	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=QSL:99&res=1
	Response	-						
	Request	QSL:99						
	Response	OSL:99:[Data]						
SYSTEM VERSION	Control	-	-	VXX.XX Ex) V01.00	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=QSV&res=1
	Response	-						
	Request	QSV						
	Response	OSV:[Data1]						
ERROR STATUS	Control	-	0 1 2	Normal Fan Error Other Error ※bit0:Fan Error, bit1:Other Error	cam	OER:[Data]	OER:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=QER&res=1
	Response	-						
	Request	QER						
	Response	OER:[Data]						
ERROR STATUS	Control	-	00000000h 00000001h 00000002h 00000004h 00000008h 00000010h	No Error Fan Error High Temperature Lens Error Pan/Tilt Error Sensor Error ※bit0:Fan Error, bit1:High Temperature, bit2:Lens Error, bit3:Pan/Tilt Error, bit4:Sensor Error	cam	OSI:46:[Data]	OSI:46:0x[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=QSI:46&res=1
	Response	-						
	Request	QSI:46						
	Response	OSI:46:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
ERROR STATUS	Control	-	00h 03h 21h 22h 25h 30h 31h 32h 33h 36h 40h 41h 42h 43h 50h 52h 55h 57h 58h 60h 61h 62h 63h	No Error Motor Driver Error System Error Spec Limit Over BE Life-monitoring Error NET Life-monitoring Error Fan1 error Fan2 error High Temp Low Temp Temp Sensor Error Lens Initialize Error PT. Initialize Error PoE++ Software auth. Timeout MR Level Error MR Offset Error PT. Gear Error Gyro Error PT. Initialize Error Update Firmware Error Update Hardware Error Update Error Update Fan Error	ptz	rER[Data]	-	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23RER&res=1
	Response	-						
	Request	#RER						
	Response	rER[Data]						
WHITE SHADING CORRECT	Control	OSL:9B:[Data]	0 1	OFF ON	cam	OSL:9B:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:9B:1&res=1
	Response	OSL:9B:[Data]						
	Request	QSL:9B						
	Response	OSL:9B:[Data]						
WHITE SHADING W H SAW R	Control	OSL:9C:[Data]	1Ch - 80h - E4h	-100 - 0 - +100	cam	OSL:9C:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:9C:81&res=1
	Response	OSL:9C:[Data]						
	Request	QSL:9C						
	Response	OSL:9C:[Data]						
WHITE SHADING W H SAW G	Control	OSL:9D:[Data]	1Ch - 80h - E4h	-100 - 0 - +100	cam	OSL:9D:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:9D:81&res=1
	Response	OSL:9D:[Data]						
	Request	QSL:9D						
	Response	OSL:9D:[Data]						
WHITE SHADING W H SAW B	Control	OSL:9E:[Data]	1Ch - 80h - E4h	-100 - 0 - +100	cam	OSL:9E:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:9E:81&res=1
	Response	OSL:9E:[Data]						
	Request	QSL:9E						
	Response	OSL:9E:[Data]						
WHITE SHADING W H PARA R	Control	OSL:9F:[Data]	1Ch - 80h - E4h	-100 - 0 - +100	cam	OSL:9F:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:9F:81&res=1
	Response	OSL:9F:[Data]						
	Request	QSL:9F						
	Response	OSL:9F:[Data]						
WHITE SHADING W H PARA G	Control	OSL:A0:[Data]	1Ch - 80h - E4h	-100 - 0 - +100	cam	OSL:A0:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:A0:81&res=1
	Response	OSL:A0:[Data]						
	Request	QSL:A0						
	Response	OSL:A0:[Data]						
WHITE SHADING W H PARA B	Control	OSL:A1:[Data]	1Ch - 80h - E4h	-100 - 0 - +100	cam	OSL:A1:[Data]	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:A1:81&res=1
	Response	OSL:A1:[Data]						
	Request	QSL:A1						
	Response	OSL:A1:[Data]						

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
WHITE SHADING W V SAW R	Control	OSL:A2:[Data]	1Ch – 80h – E4h	-100 – 0 – +100	cam	OSL:A2:[Data]	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:A2:81&res=1
	Response	OSL:A2:[Data]						
	Request	QSL:A2						
	Response	OSL:A2:[Data]						
WHITE SHADING W V SAW G	Control	OSL:A3:[Data]	1Ch – 80h – E4h	-100 – 0 – +100	cam	OSL:A3:[Data]	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:A3:81&res=1
	Response	OSL:A3:[Data]						
	Request	QSL:A3						
	Response	OSL:A3:[Data]						
WHITE SHADING W V PARA R	Control	OSL:A4:[Data]	1Ch – 80h – E4h	-100 – 0 – +100	cam	OSL:A4:[Data]	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:A4:81&res=1
	Response	OSL:A4:[Data]						
	Request	QSL:A4						
	Response	OSL:A4:[Data]						
WHITE SHADING W V PARA G	Control	OSL:A5:[Data]	1Ch – 80h – E4h	-100 – 0 – +100	cam	OSL:A5:[Data]	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:A5:81&res=1
	Response	OSL:A5:[Data]						
	Request	QSL:A5						
	Response	OSL:A5:[Data]						
WHITE SHADING W V PARA B	Control	OSL:A6:[Data]	1Ch – 80h – E4h	-100 – 0 – +100	cam	OSL:A6:[Data]	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:A6:81&res=1
	Response	OSL:A6:[Data]						
	Request	QSL:A6						
	Response	OSL:A6:[Data]						
	Control	OSL:A7:[Data]	1Ch – 80h – E4h	-100 – 0 – +100	cam	OSL:A7:[Data]	–	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:A7:81&res=1
	Response	OSL:A7:[Data]						
	Request	QSL:A7						
	Response	OSL:A7:[Data]						
WIRELESS CONTROL	Control	#WLC[Data1]	0 1	DISABLE ENABLE	ptz	wLC[Data1]	–	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23WLC1&res=1
	Response	wLC[Data1]						
	Request	#WLC						
	Response	wLC[Data1]						
WIRELESS ID	Control	#RID[Data]	0 1 2 3	CAM1 CAM2 CAM3 CAM4	ptz	rID[Data]	–	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23RID0&res=1
	Response	rID[Data]						
	Request	#RID						
	Response	rID[Data]						
STATUS LAMP	Control	#LMP[Data]	0 1	DISABLE ENABLE	ptz	lMP[Data]	–	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23LMP0&res=1
	Response	lMP[Data]						
	Request	#LMP						
	Response	lMP[Data]						

OSD

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
MENU ON/OFF	Control	DUS:[Data]	0 1	OFF ON	cam	-	OUS:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=DUS:1&res=1
	Response	DUS:[Data]						
	Request	QUS						
	Response	OUS:[Data]						
MENU CANCEL	Control	DPG:[Data]	1	CANCEL	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=DPG:1&res=1
	Response	DPG:[Data]						
	Request	-						
	Response	-						
MENU ENTER	Control	DIT:[Data]	1	ENTER	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=DIT:1&res=1
	Response	DIT:[Data]						
	Request	-						
	Response	-						
MENU UP (DIAL)	Control	DUP:[Data]	1	UP	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=DUP:1&res=1
	Response	DUP:[Data]						
	Request	-						
	Response	-						
MENU DOWN (DIAL)	Control	DDW:[Data]	1	DOWN	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=DDW:1&res=1
	Response	DDW:[Data]						
	Request	-						
	Response	-						
MENU UP	Control	CUP:[Data]	1	UP	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=CUP:1&res=1
	Response	CUP:[Data]						
	Request	-						
	Response	-						
MENU DOWN	Control	CDW:[Data]	1	DOWN	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=CDW:1&res=1
	Response	CDW:[Data]						
	Request	-						
	Response	-						
MENU RIGHT	Control	CRT:[Data]	1	RIGHT	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=CRT:1&res=1
	Response	CRT:[Data]						
	Request	-						
	Response	-						
MENU LEFT	Control	CLT:[Data]	1	LEFT	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=DLT:1&res=1
	Response	CLT:[Data]						
	Request	-						
	Response	-						

Remote Controller

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
OPERATION LOCK	Control	OSJ:3E:[Data]	xxxxxxxx	ANY INFORMATION (40 CHARACTORS)	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:3E:xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx&res=1
	Response	OSJ:3E:[Data]						
	Request	-						
	Response	-						
RELEASE OPERATION LOCK	Control	OSJ:3F	-	-	cam	-	-	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:3F&res=1
	Response	OSJ:3F						
	Request	-						
	Response	-						
OPERATION LOCK STATUS	Control	-	[Data1] 0 1 [Data2] xxxxxxxx	[Data1] UNLOCK LOCK [Data2] ANY INFORMATION (40 CHARACTORS)	cam	OSJ:40:[Data1]:[Data2]	OSJ:40:[Data1]:[Data2]	http://192.168.0.10/cgi-bin/aw_cam?cmd=QSJ:40&res=1
	Response	-						
	Request	QSJ:40						
	Response	OSJ:40:[Data1]:[Data2]						

OTHERS

Command name	Category	Command	Data value	Setting	Comand type	Update notification	camdata.html	Usage example / Remarks
MODEL NUMBER	Control	-		AW-UE160	cam	-	OID:AW-UE100	http://192.168.0.10/cgi-bin/aw_cam?cmd=QID&res=1
	Response	-						
	Request	QID						
	Response	OID:[Data]						
CAMERA NUMBER	Control	OSL:AE:[Data]	01 - 99	1 - 99	cam	OSL:AE:[Data]	OSL:AE:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSL:AE:01&res=1
	Response	OSL:AE:[Data]						
	Request	QSL:AE						
	Response	OSL:AE:[Data]						
POWER ON / STANDBY	Control	#O[Data]	0 1	STANDBY POWERON	ptz	p[Data]	p[Data]	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23O0&res=1
	Response	p[Data]						
	Request	#O	0 1 3	STANDBY POWERON STARTING				
	Response	p[Data]						
RESOLUTION CONTROL	Control	#RZL[Data]	0 1 2 3 4	640X360 320X180 1280X720 1920X1080 3840X2160	ptz	rZL[Data]	-	http://192.168.0.10/cgi-bin/aw_ptz?cmd=%23RZL0&res=1
	Response	rZL[Data]						
	Request	#RZL						
	Response	rZL[Data]						
CAMERA TITLE	Control	OSJ:5C:[Data]	xxxxxxxx (40 DATA in ASCII CODE)	CAMERA TITLE (FIXED 20 CHARACTORS)	cam	OSJ:5C:[Data]	OSJ:5C:[Data]	http://192.168.0.10/cgi-bin/aw_cam?cmd=OSJ:5C:41572D5545313630000000000000000000000000&res=1
	Response	OSJ:5C:[Data]						
	Request	QSJ:5C						
	Response	OSJ:5C:[Data]						