

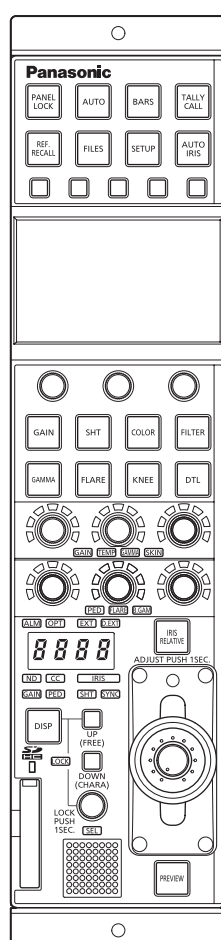
Operating Guide

Remote Operation Panel

Model No.

AK-HRP1005G

Read this document when using the AK-HRP1005G Remote Operation Panel in conjunction with AJ-CX4000G Memory Card Camera-Recorder.



For details of operating Remote Operation Panel AK-HRP1005G, please visit the Panasonic website (<https://pro-av.panasonic.net/manual/en/index.html>), and refer to the Operating Instructions (HTML or PDF).

Panasonic

ENGLISH

DVQP2406ZA

Table of Contents

Connecting the Unit to AJ-CX4000 Cameras	3
Connections	3
Compatible Functions List	4
ROP Menu (during AJ-CX4000 Connection)	8
ROP menu list	8
01 SCENE	13
02 SHUTTER SPEED	14
03 FILTER	15
04 PEDESTAL	16
05 CHROMA	17
06 GAIN	18
07 COLOR TEMP	19
08 WHITE BALANCE	20
09 FLARE	21
10 GAMMA	22
11 KNEE	23
12 WHITE CLIP	24
13 DRS	25
14 DETAIL	26
15 SKIN TONE DTL	27
16 MATRIX	28
17 COLOR CORRECTION	29
18 IRIS RELATIVE	32
19 SYSTEM CAM	33
20 CAMERA MENU CONTROL	34
21 ROP SETTING	35
22 CONNECT SETTING	35
23 ROP IP SETTING	35
24 CAMERA IP SETTING	35
25 AUTO IRIS SETTING	36
26 SWITCHER LINK	37
27 AW CONTROLLER LINK	37

Connecting the Unit to AJ-CX4000 Cameras

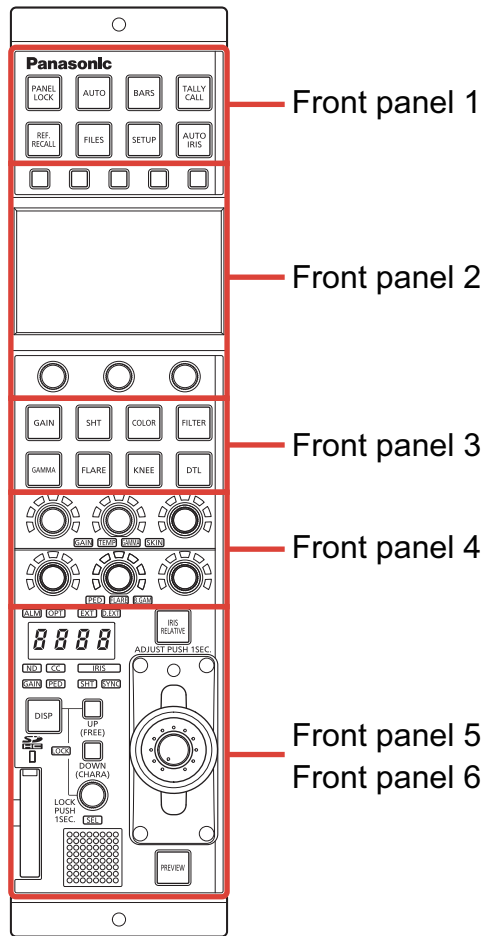
Connections

- Use a LAN cable to connect the <REMOTE> connector at the rear of the AJ-CX4000 to the <LAN> connector of the AK-HRP1005G.
- Set the connection setting to "LAN(AJ2)" in the [CONNECT SETTING] menu.

CONNECT SETTING			1 / 17
CONNECT MODE(push)			
CAM1	CAM2	CAM3	
LAN (AJ2)	NON	NON	
CONNECT MODE(push)			
CAM4	CAM5	CAM6	
NON	NON	NON	

Compatible Functions List

When the unit is used in conjunction with an AJ-CX4000 Memory Card Camera-Recorder, a portion of the unit's button, dial, and other control functions will be limited or disabled. Be sure to refer to the following table.



Number	Part name	✓ : Enabled ×: Disabled	Remarks
Front panel 1	[PANEL LOCK] button	✓	
	[AUTO] button	✓	This does not function when the auto setup setting is enabled.
	[BARS] button	✓	Controls ON/OFF of color bar signal output.
	[TALLY/CALL] lamp/button	✓	Tally only operation is possible.
	[REF. RECALL] button	✓	Press and hold this to start/stop recording.
	[FILES] button	✓	Press and hold this to switch to the scene selection menu.
	[SETUP] button	✓	
	[AUTO IRIS] button	✓	
Front panel 2	Function buttons	✓	
	LCD panel	✓	
	Menu operation dials	✓	

Number	Part name	✓ : Enabled ✕: Disabled	Remarks
Front panel 3	[GAIN] button	✓	When this is set to ON, the [GAIN] menu is displayed on the LCD panel.
	[SHT] button	✓	When this is set to ON, the [SHUTTER SPEED] menu is displayed on the LCD panel.
	[COLOR] button	✓	The menus will switch with each press of the button. [WHITE BALANCE] > [CHROMA] > [MATRIX] > [COLOR COREECTION] > Menu OFF (status screen)
	[FILTER] button	✓	When this is set to ON, the [FILTER] menu is displayed on the LCD panel.
	[GAMMA] button	✓	When this is set to ON, the [GAMMA] menu is displayed on the LCD panel.
	[FLARE] button	✓	The menus will switch with each press of the button. [FLARE] > Menu OFF (status screen)
	[KNEE] button	✓	The menus will switch with each press of the button. [KNEE] > [WHITE CLIP] > Menu OFF (status screen)
	[DTL] button	✓	The menus will switch with each press of the button. [DETAIL] > [SKIN TONE DTL] > Menu OFF (status screen)

Number	Part name	✓ : Enabled ✕: Disabled	Remarks
Front panel 4	[GAIN], [TEMP], [GAMMA], [SKIN] adjustment block	✓	<p>When [GAIN] is lit Adjusts the following.</p> <ul style="list-style-type: none"> Red (R) adjustment dial [WHITE BALANCE] > [GAIN R] Blue (B) adjustment dial [WHITE BALANCE] > [GAIN B] <p>When [TEMP] is lit Adjusts the following.</p> <ul style="list-style-type: none"> Red (R) adjustment dial [COLOR TEMP] > [GAIN R] Green (G) adjustment dial [COLOR TEMP] > [AXIS G] Blue (B) adjustment dial [COLOR TEMP] > [GAIN B] <p>When [GAMMA] is lit Adjusts the following.</p> <ul style="list-style-type: none"> Green (G) adjustment dial [GAMMA] > [MASTER GAMMA] <p>When [SKIN] is lit Adjusts the following.</p> <ul style="list-style-type: none"> Red (R) adjustment dial [SKIN TONE DTL] > [I CENTER] Green (G) adjustment dial [SKIN TONE DTL] > [Q WIDTH]
	[PED], [FLARE], [B.GAM] adjustment block	✓	<p>When [PED] is lit Adjusts the following.</p> <ul style="list-style-type: none"> Red (R) adjustment dial [PEDESTAL] > [PED R] Green (G) adjustment dial [PEDESTAL] > [MASTER PED] Blue (B) adjustment dial [PEDESTAL] > [PED B] <p>When [FLARE] is lit Adjusts the following.</p> <ul style="list-style-type: none"> Red (R) adjustment dial [FLARE] > [FLARE R] Green (G) adjustment dial [FLARE] > [FLARE G] Blue (B) adjustment dial [FLARE] > [FLARE B] <p>When [B.GAM] is lit Adjusts the following.</p> <ul style="list-style-type: none"> Green (G) adjustment dial [GAMMA] > [BLACK GAMMA] Blue (B) adjustment dial [GAMMA] > [B.GAMMA RANGE]

Number	Part name	✓ : Enabled ×: Disabled	Remarks
Front panel 5	[ALM] indicator	✓	
	[OPT] indicator	×	
	[EXT] indicator	×	
	[D.EXT] indicator	×	
	Adjustment value display	✓	Displays the adjustment values except for CC. When the [SHT] indicator and [SYNC] indicator are lit Displays the following. <ul style="list-style-type: none"> Fixed shutter is selected (dot lights at bottom right) Numerical value for the denominator of the shutter speed Syncro scan (time display) is selected Numerical value for the denominator of the shutter speed (when the value is four or more digits, the digits after the decimal point are not displayed) Syncro scan (shutter open angle display) is selected Setting value of shutter open angle
	[ND] indicator	✓	Displayed only. Cannot be adjusted.
	[CC] indicator	✓	Displayed only. Cannot be adjusted.
	[IRIS] indicator	✓	
	[GAIN] indicator	✓	
	[PED] indicator	✓	
	[SHT] indicator	✓	
	[SYNC] indicator	✓	
	[DISP] button	✓	
	[UP (FREE)] button	✓	
	[DOWN (CHARA)] button	✓	
Front panel 6	[LOCK] indicator	✓	
	[SEL] dial	✓	
	Memory card slot	✓	
	Memory card access indicator	✓	
	Camera number/tally display	✓	
	[IRIS RELATIVE] button	✓	
	Torque adjustment screw	✓	
	IRIS lever	✓	
	Master pedestal dial	✓	
	[PREVIEW] button	×	

ROP Menu (during AJ-CX4000 Connection)

ROP menu list

When an AJ-CX4000 Memory Card Camera-Recorder is connected, the ROP menu will be as follows. For setting values related to the camera, refer to the Operating Instructions for the camera.

For details on menu operations, refer to the following sections in the Operating Instructions.

➡ “Displaying menus”

➡ “Basic menu operations”

NOTE

- To perform menu operations, upgrade the version of the unit system to 4.82-00-0.00 or later.
- The setting values of functions that are not supported are indicated as “—”.

01 SCENE	SCENE1	➡ “SCENE1” (see page 13)
	SCENE2	➡ “SCENE2” (see page 13)
	SCENE3	➡ “SCENE3” (see page 13)
	SCENE4	➡ “SCENE4” (see page 13)
	SCENE5	➡ “SCENE5” (see page 13)
	SCENE6	➡ “SCENE6” (see page 13)
02 SHUTTER SPEED	SHUTTER	➡ “SHUTTER” (see page 14)
	SPEED MODE	➡ “SPEED MODE” (see page 14)
	SYNC TYPE	➡ “SYNC TYPE” (see page 14)
	SPEED	➡ “SPEED” (see page 14)
03 FILTER	ND	➡ “ND” (see page 15)
	CC	➡ “CC” (see page 15)
04 PEDESTAL	M.PED	➡ “M.PED” (see page 16)
	OFFSET	➡ “OFFSET” (see page 16)
	PED R	➡ “PED R” (see page 16)
	PED G	➡ “PED G” (see page 16)
	PED B	➡ “PED B” (see page 16)
05 CHROMA	LEVEL %	➡ “LEVEL %” (see page 17)
	PHASE	➡ “PHASE” (see page 17)
06 GAIN	GAIN	➡ “GAIN” (see page 18)
	AGC	➡ “AGC” (see page 18)
	AGC LIMIT	➡ “AGC LIMIT” (see page 18)
	AGC POINT	➡ “AGC POINT” (see page 18)
07 COLOR TEMP	COLOR TEMP	➡ “COLOR TEMP” (see page 19)
	GAIN R	➡ “GAIN R” (see page 19)
	AXIS G	➡ “AXIS G” (see page 19)
	GAIN B	➡ “GAIN B” (see page 19)
08 WHITE BALANCE	W.BAL SELECT	➡ “W.BAL SELECT” (see page 20)
	GAIN OFFSET	➡ “GAIN OFFSET” (see page 20)
	GAIN R	➡ “GAIN R” (see page 20)
	GAIN B	➡ “GAIN B” (see page 20)
	ATW SPEED	➡ “ATW SPEED” (see page 20)
	ATW TARGET R	➡ “ATW TARGET R” (see page 20)
	ATW TARGET B	➡ “ATW TARGET B” (see page 20)

09 FLARE	FLARE R	➡ "FLARE R" (see page 21)
	FLARE G	➡ "FLARE G" (see page 21)
	FLARE B	➡ "FLARE B" (see page 21)
	SW	➡ "SW" (see page 21)
10 GAMMA	MODE	➡ "MODE" (see page 22)
	GAMMA	➡ "GAMMA" (see page 22)
	SW	➡ "SW" (see page 22)
	F-REC DYNMC LV	➡ "F-REC DYNMC LV" (see page 22)
	F-REC BLK.S LV	➡ "F-REC BLK.S LV" (see page 22)
	V-REC K.SLOPE	➡ "V-REC K.SLOPE" (see page 22)
	V-REC K.POINT	➡ "V-REC K.POINT" (see page 22)
	BLACK GAMMA	➡ "BLACK GAMMA" (see page 22)
	B.GAMMA RANGE	➡ "B.GAMMA RANGE" (see page 22)
11 KNEE	MODE	➡ "MODE" (see page 23)
	POINT	➡ "POINT" (see page 23)
	SLOPE	➡ "SLOPE" (see page 23)
	A.KNEE RSPNS	➡ "A.KNEE RSPNS" (see page 23)
	A.KNEE POINT	➡ "A.KNEE POINT" (see page 23)
	A.KNEE LEVEL	➡ "A.KNEE LEVEL" (see page 23)
	HLG KNEE SW	➡ "HLG KNEE SW" (see page 23)
	HLG KNEE POINT	➡ "HLG KNEE POINT" (see page 23)
	HLG KNEE SLOPE	➡ "HLG KNEE SLOPE" (see page 23)
	H.COLOR SW	➡ "H.COLOR SW" (see page 23)
12 WHITE CLIP	WHITE CLIP SW	➡ "WHITE CLIP SW" (see page 24)
	WHITE CLIP LEVEL(%)	➡ "WHITE CLIP LEVEL(%)" (see page 24)
13 DRS	DRS	➡ "DRS" (see page 25)
	EFFECT DEPTH	➡ "EFFECT DEPTH" (see page 25)
14 DETAIL	DTL	➡ "DTL" (see page 26)
	CORING	➡ "CORING" (see page 26)
	H.DTL LEVEL	➡ "H.DTL LEVEL" (see page 26)
	V.DTL LEVEL	➡ "V.DTL LEVEL" (see page 26)
	FREQ.	➡ "FREQ." (see page 26)
	LEVEL DEPEND.	➡ "LEVEL DEPEND." (see page 26)
	KNEE APE LV	➡ "KNEE APE LV" (see page 26)
	GAIN(+)	➡ "GAIN(+)" (see page 26)
	GAIN(-)	➡ "GAIN(-)" (see page 26)
	DTL SW	➡ "DTL SW" (see page 26)
15 SKIN TONE DTL	SKIN TONE DTL A	➡ "SKIN TONE DTL A" (see page 27)
	SKIN TONE DTL B	➡ "SKIN TONE DTL B" (see page 27)
	SKIN TONE DTL C	➡ "SKIN TONE DTL C" (see page 27)
	DETECT TBL	➡ "DETECT TBL" (see page 27)
	EFFECT	➡ "EFFECT" (see page 27)
	I CENTER	➡ "I CENTER" (see page 27)
	I WIDTH	➡ "I WIDTH" (see page 27)
	Q WIDTH	➡ "Q WIDTH" (see page 27)
	Q PHASE	➡ "Q PHASE" (see page 27)

16 MATRIX	TABLE	➡ "TABLE" (see page 28)
	ADAPTIVE MATRIX	➡ "ADAPTIVE MATRIX" (see page 28)
	R-G	➡ "R-G" (see page 28)
	R-B	➡ "R-B" (see page 28)
	G-R	➡ "G-R" (see page 28)
	G-B	➡ "G-B" (see page 28)
	B-R	➡ "B-R" (see page 28)
	B-G	➡ "B-G" (see page 28)
17 COLOR CORRECTION	SAT R	➡ "SAT R" (see page 30)
	PHASE R	➡ "PHASE R" (see page 30)
	SAT R-R-Mg	➡ "SAT R-R-Mg" (see page 30)
	PHASE R-R-Mg	➡ "PHASE R-R-Mg" (see page 30)
	SAT R-Mg	➡ "SAT R-Mg" (see page 30)
	PHASE R-Mg	➡ "PHASE R-Mg" (see page 30)
	SAT Mg	➡ "SAT Mg" (see page 30)
	PHASE Mg	➡ "PHASE Mg" (see page 30)
	SAT Mg-B	➡ "SAT Mg-B" (see page 30)
	PHASE Mg-B	➡ "PHASE Mg-B" (see page 30)
	SAT B	➡ "SAT B" (see page 30)
	PHASE B	➡ "PHASE B" (see page 30)
	SAT B-Cy	➡ "SAT B-Cy" (see page 31)
	PHASE B-Cy	➡ "PHASE B-Cy" (see page 31)
	SAT Cy	➡ "SAT Cy" (see page 31)
	PHASE Cy	➡ "PHASE Cy" (see page 31)
	SAT Cy-G	➡ "SAT Cy-G" (see page 31)
	PHASE Cy-G	➡ "PHASE Cy-G" (see page 31)
	SAT G	➡ "SAT G" (see page 31)
	PHASE G	➡ "PHASE G" (see page 31)
	SAT G-YI	➡ "SAT G-YI" (see page 31)
	PHASE G-YI	➡ "PHASE G-YI" (see page 31)
	SAT G-YI-YI	➡ "SAT G-YI-YI" (see page 31)
	PHASE G-YI-YI	➡ "PHASE G-YI-YI" (see page 31)
	SAT YI	➡ "SAT YI" (see page 31)
	PHASE YI	➡ "PHASE YI" (see page 31)
	SAT YI-YI-R	➡ "SAT YI-YI-R" (see page 31)
	PHASE YI-YI-R	➡ "PHASE YI-YI-R" (see page 31)
	SAT YI-R	➡ "SAT YI-R" (see page 31)
	PHASE YI-R	➡ "PHASE YI-R" (see page 31)
	SAT YI-R-R	➡ "SAT YI-R-R" (see page 31)
	PHASE YI-R-R	➡ "PHASE YI-R-R" (see page 31)
	SW	➡ "SW" (see page 31)
18 IRIS RELATIVE	SENSE	Refer to the following section in the Operating Instructions. ➡ "29 IRIS RELATIVE"
	COARSE	
	RELATIVE	
19 SYSTEM CAM	TALLY CONTROL	➡ "TALLY CONTROL" (see page 33)
	TALLY INPUT	➡ "TALLY INPUT" (see page 33)
	TALLY SIGNAL	➡ "TALLY SIGNAL" (see page 33)
	TALLY CONT MD	➡ "TALLY CONT MD" (see page 33)

20 CAMERA MENU CONTROL	MENU ON/OFF	➡ "MENU ON/OFF" (see page 34)
	CURSOR/PARAMETER	➡ "CURSOR/PARAMETER" (see page 34)
	EXECUTE	➡ "EXECUTE" (see page 34)
	MENU EXIT	➡ "MENU EXIT" (see page 34)
21 ROP SETTING	IRIS LEV MODE	➡ "21 ROP SETTING" (see page 35)
	M.PED CONT	Refer to the following section in the Operating Instructions. ➡ "37 ROP SETTING"
	LOCK SELECT	
	AUTO BUTTON	
	G/M PED VOL	
	FREE+LOCK	
	CAM SEL	
	DTL BUTTON	
	SKIN VOL	
	LCD BRIGHT	
	PANEL BRIGHT	
	B.GAMMA VOL	
	BUZZER	
	PERIOD	
	CYCLE	
	STD POSITION M.GAIN	
	STD POSITION VAR	
	STD POSITION ND	
	STD POSITION CC	
	IRIS PRIORITY	
	ROP DATA SAVE	
	ROP DATA LOAD	
	SD CARD FORMAT	
	INITIAL with NW	
	INITIAL	
	UPGRADE	
	IRIS CALIBRATION TOP	
	IRIS CALIBRATION BOTTOM	
	SYSTEM VERSION	
	SOFT VERSION	
	FPGA VERSION	
22 CONNECT SETTING	CONNECT MODE CAM1(push)	➡ "22 CONNECT SETTING" (see page 35)
	CONNECT MODE CAM2 to CAM99 (push)	

23 ROP IP SETTING	IP ADDRESS 1	Refer to the following section in the Operating Instructions. ➡ "39 ROP IP SETTING"
	IP ADDRESS 2	
	IP ADDRESS 3	
	IP ADDRESS 4	
	IP ADDRESS PORT	
	IP ADDRESS UPLOAD	
	SUBNET MASK 1	
	SUBNET MASK 2	
	SUBNET MASK 3	
	SUBNET MASK 4	
	SUBNET MASK UPLOAD	
	DEFAULT GATEWAY	
	DEFAULT GATEWAY UPLOAD	
	MAC ADDRESS	
24 CAMERA IP SETTING	CAM1 to CAM99 IP ADDRESS	Refer to the following section in the Operating Instructions. ➡ "40 CAMERA IP SETTING"
	CAM1 to CAM99 PORT	
	CAM1 to CAM99 INF UPLOAD	
25 AUTO IRIS SETTING	AUTO IRIS LEVEL	➡ "AUTO IRIS LEVEL" (see page 36)
	AUTO IRIS WINDOW	➡ "AUTO IRIS WINDOW" (see page 36)
26 SWITCHER LINK	SWITCHER IP ADDRESS	Refer to the following section in the Operating Instructions. ➡ "47 SWITCHER LINK"
	SWITCHER UDP PORT	
	INFO UPLOAD	
	SWITCHER LINK	
	TALLY RECEIVE	
	PREVIEW	
	TALLY ACTION MATERIAL	
	TALLY ACTION CAM No.	
27 AW CONTROLLER LINK	RECEIVE PORT	Refer to the following section in the Operating Instructions. ➡ "48 AW CONTROLLER LINK"
	INFO UPLOAD	
	AW CONT LINK	

01 SCENE

SCENE

1 / 1

SCENE1
(push)

ON

SCENE2
(push)

OFF

SCENE3
(push)

OFF

SCENE4
(push)

OFF

SCENE5
(push)

OFF

SCENE6
(push)

OFF

Item	Setting details
SCENE1	<div>Sets a scene file to ON/OFF.</div> <ul style="list-style-type: none">When a scene file is set to ON, the other scene files are set to OFF.
SCENE2	
SCENE3	
SCENE4	
SCENE5	
SCENE6	

02 SHUTTER SPEED

SHUTTER SPEED1 / 1

SHUTTER

OFF

SPEED MODE

FIX

SYNC TYPE

SEC

SPEED

-

Item	Setting details
SHUTTER	Switches the shutter function ON/OFF.
SPEED MODE	Switches between fixed shutter and synchro scan.
SYNC TYPE	Switches the unit of the shutter setting.
SPEED	Sets the shutter speed in the unit selected in [SPEED MODE].

03 FILTER



Item	Setting details
ND	Displays the information for the ND filter (the settings cannot be changed).
CC	Displays the information for the CC filter (the settings cannot be changed).

04 PEDESTAL

PEDESTAL1 / 1

M.PED16

OFFSETOFF

PED

R0

G0

B0

Item	Setting details
M.PED	Adjusts the black level (master pedestal level adjustment).
OFFSET	Sets whether or not to retain the pedestal levels of the R, G, and B channels when the auto black balance is adjusted.
PED R	Sets the red correction level for the master pedestal.
PED G	Sets the green correction level for the master pedestal.
PED B	Sets the blue correction level for the master pedestal.

05 CHROMA

CHROMA

1 / 1

LEVEL %

0

PHASE

0

Item	Setting details
LEVEL %	Sets the chroma level for the PR and PB signals.
PHASE	Finely adjusts the chroma phase for the PR and PB signals.

06 GAIN



Item	Setting details
GAIN	Adjusts the gain of video.
AGC	Turns auto gain control ON/OFF.
AGC LIMIT	Sets the maximum gain value for when [AGC] is "ON".
AGC POINT	Sets the F value to switch control from auto iris to auto gain when [AGC] is "ON".

07 COLOR TEMP

COLOR TEMP1 / 1

COLOR TEMP

3200

GAIN R0

AXIS G0

GAIN B0

Item	Setting details
COLOR TEMP	Sets the color temperature.
GAIN R	Sets the red correction level for the color temperature.
AXIS G	Sets the green correction level for the color temperature.
GAIN B	Sets the blue correction level for the color temperature.

08 WHITE BALANCE

WHITE BALANCE1 / 2

W.BAL SELECT

A

GAIN OFFSET

OFF

GAIN

R

0

B

0

WHITE BALANCE2 / 2

SPEED

NORMAL

ATW TARGET R

0

TARGET B

0

Item	Setting details
W.BAL SELECT	Sets the mode for the white balance.
GAIN OFFSET	Sets the value of the R channel gain and B channel gain for when [W.BAL SELECT] is set to A (AWB A) or B (AWB B) and automatic white balance is performed.
GAIN R	Adjusts the R channel gain.
GAIN B	Adjusts the B channel gain.
ATW SPEED	Sets the control speed of the auto tracking white balance function.
ATW TARGET R	Finely adjusts the R channel output for convergence with the auto tracking white balance operation.
ATW TARGET B	Finely adjusts the B channel output for convergence with the auto tracking white balance operation.

09 FLARE

FLARE1 / 1

FLARE

R0

G0

B0

SW

ON

Item	Setting details
FLARE R	Adjusts the R channel flare.
FLARE G	Adjusts the G channel flare.
FLARE B	Adjusts the B channel flare.
SW	Sets flare correction to ON/OFF.

10 GAMMA

GAMMA 1 / 2

MODE
HD

GAMMA
0.45

SW
ON

F-REC

DYNMC LV
600

BLK.S LV
0

GAMMA 2 / 2

V-REC

K.SLOPE
500

K.POINT
30

BLACK GAMMA
0

B.GAMMA RANGE
1

Item	Setting details
MODE	Selects the gamma mode.
GAMMA	Adjusts the gamma correction level. This is enabled when [MODE] is other than "HLG".
SW	Sets gamma correction to ON/OFF.
F-REC DYNMC LV	Sets the dynamic range. This is enabled when [MODE] is "F-REC" (FILM REC).
F-REC BLK.S LV	Sets the black stretch. This is enabled when [MODE] is "F-REC" (FILM REC).
V-REC K.SLOPE	Sets the knee slope. This is enabled when [MODE] is "V-REC" (VIDEO REC).
V-REC K.POINT	Sets the knee point. This is enabled when [MODE] is "V-REC" (VIDEO REC).
BLACK GAMMA	Sets the gamma curve for dark areas.
B.GAMMA RANGE	Sets the maximum level for compression/expansion.

11 KNEE

KNEE1 / 2

MODE

AUTO

POINT

93.0

SLOPE

99

RSPNS

4

A.KNEE POINT

90

LEVEL

107

KNEE2 / 2

SW

OFF

HLG KNEE POINT

55

SLOPE

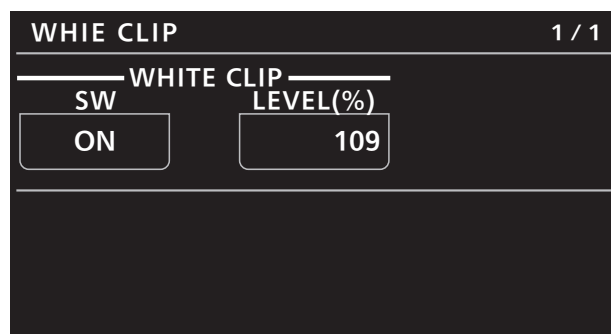
10

H.COLOR SW

ON

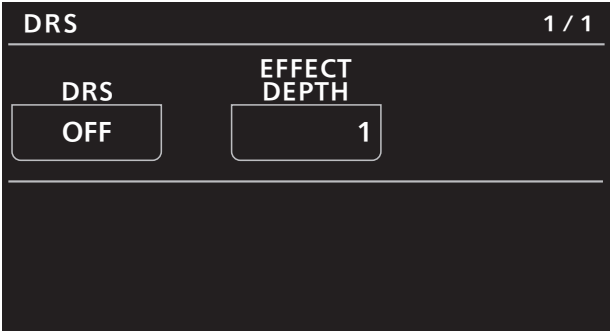
Item	Setting details
MODE	Sets the operating mode for gradation compression (knee).
POINT	Sets the compression level (knee point) position for high-brightness video signals. This is enabled when [MODE] in the [GAMMA] menu is other than "HLG", and [MODE] is "MANUAL".
SLOPE	Sets the knee slope. This is enabled when [MODE] in the [GAMMA] menu is other than "HLG", and [MODE] is "MANUAL".
A.KNEE RSPNS	Sets the auto knee response speed. This is enabled when [MODE] in the [GAMMA] menu is other than "HLG".
A.KNEE POINT	Sets the auto knee point position in 1% steps.
A.KNEE LEVEL	Sets the auto knee level.
HLG KNEE SW	Turns the knee operation for HLG ON/OFF. This is enabled when [MODE] in the [GAMMA] menu is "HLG".
HLG KNEE POINT	Sets the knee point position for HLG. This is enabled when [MODE] in the [GAMMA] menu is "HLG".
HLG KNEE SLOPE	Sets the knee slope for HLG. This is enabled when [MODE] in the [GAMMA] menu is "HLG".
H.COLOR SW	Sets the mode that expands the color dynamic range to ON/OFF.

12 WHITE CLIP



Item	Setting details
WHITE CLIP SW	Enables or disables the white clip function. This is enabled when [MODE] in the [GAMMA] menu is other than "HLG".
WHITE CLIP LEVEL(%)	Sets the white clip level. This is enabled when [MODE] in the [GAMMA] menu is other than "HLG", and [WHITE CLIP SW] is "ON".

13 DRS



Item	Setting details
DRS	Switches the dynamic range stretcher function ON/OFF.
EFFECT DEPTH	Sets the compression level for high-brightness areas of the dynamic range stretcher function.

14 DETAIL

DETAIL
1 / 3

DTL
0
CORING
15

H.DTL LEVEL
0
V.DTL LEVEL
0
FREQ.
0

DETAIL
2 / 3

LEVEL DEPEND.
0
KNEE APE LV
2

GAIN(+)
0
GAIN(-)
0

DETAIL
3 / 3

DTL SW
ON

Item	Setting details
DTL	Sets the level of the overall detail effect (master detail). This is enabled when [DTL SW] is "ON".
CORING	Sets the level of signal (including noise) that does not activate the detail effect. This is enabled when [DTL SW] is "ON".
H.DTL LEVEL	Sets the intensity of the detail level in the horizontal direction. This is enabled when [DTL SW] is "ON".
V.DTL LEVEL	Sets the intensity of the detail level in the vertical direction. This is enabled when [DTL SW] is "ON".
FREQ.	Sets the thickness (boost frequency) of the detail. This is enabled when [DTL SW] is "ON".
LEVEL DEPEND.	Compresses the detail of dark areas when detail of the brightness signal is emphasized. The larger the setting value the more that detail of bright areas is compressed. This is enabled when [DTL SW] is "ON".
KNEE APE LV	Sets the detail level of high-brightness areas (extremely bright areas). This is enabled when [DTL SW] is "ON".
GAIN(+)	Sets the detail level of the plus direction (to make brighter). This is enabled when [DTL SW] is "ON".
GAIN(-)	Sets the detail level of the minus direction (to make darker). This is enabled when [DTL SW] is "ON".
DTL SW	Sets the detail function (video contour adjustment) to ON/OFF.

15 SKIN TONE DTL

SKIN TONE DTL
1 / 2

A

OFF

B

OFF

C

OFF

DETECT
TBL

A

EFFECT

16

SKIN TONE DTL
2 / 2

I CENTER

35

I WIDTH

2

Q WIDTH

2

Q PHASE

0

Item	Setting details
SKIN TONE DTL A	Sets the skin color table (skin tone detail A) used when applying skin tone detail to ON/OFF.
SKIN TONE DTL B	Sets the skin color table (skin tone detail B) used when applying skin tone detail to ON/OFF.
SKIN TONE DTL C	Sets the skin color table (skin tone detail C) used when applying skin tone detail to ON/OFF.
DETECT TBL	Selects the skin color table of the subject for which to set the skin detail.
EFFECT	Sets the effect level of skin tone detail.
I CENTER	Sets the center position (sets the area to which skin tone is applied) on the I axis.
I WIDTH	Sets the width of the area to which skin tone is applied on the I axis using the [I CENTER] setting as the center.
Q WIDTH	Sets the width of the area to which skin tone is applied on the Q axis using the [I CENTER] setting as the center.
Q PHASE	Sets the phase of the area to which skin tone is applied using the Q axis as the reference.

16 MATRIX

MATRIX1 / 2

TABLE

A

**ADAPTIVE
MATRIX**

OFF

R-G

0

R-B

0

G-R

0

MATRIX2 / 2

G-B

0

B-R

0

B-G

0

Item	Setting details
TABLE	Selects the color correction table.
ADAPTIVE MATRIX	Sets the function to control the linear matrix in accordance with the shooting conditions to ON/OFF.
R-G	Adjusts the linear matrix between red and green.
R-B	Adjusts the linear matrix between red and blue.
G-R	Adjusts the linear matrix between green and red.
G-B	Adjusts the linear matrix between green and blue.
B-R	Adjusts the linear matrix between blue and red.
B-G	Adjusts the linear matrix between blue and green.

17 COLOR CORRECTION

COLOR CORRECTION1 / 9

SAT
R

0

PHASE
R

0

COLOR CORRECTION2 / 9

SAT
R-R-Mg

0

PHASE
R-R-Mg

0

COLOR CORRECTION3 / 9

SAT
Mg

0

PHASE
Mg

0

COLOR CORRECTION4 / 9

SAT
Mg-B

0

PHASE
Mg-B

0

COLOR CORRECTION5 / 9

SAT
B

0

PHASE
B

0

COLOR CORRECTION6 / 9

SAT
B-Cy

0

PHASE
B-Cy

0

COLOR CORRECTION7 / 9

SAT
Cy

0

PHASE
Cy

0

COLOR CORRECTION8 / 9

SAT
Cy-G

0

PHASE
Cy-G

0

COLOR CORRECTION9 / 9

SAT
G

0

PHASE
G

0

COLOR CORRECTION		6 / 9
SAT G-YI	PHASE G-YI	
<input type="text" value="0"/>	<input type="text" value="0"/>	
SAT G-YI-YI	PHASE G-YI-YI	
<input type="text" value="0"/>	<input type="text" value="0"/>	

COLOR CORRECTION		7 / 9
SAT YI	PHASE YI	
<input type="text" value="0"/>	<input type="text" value="0"/>	
SAT YI-YI-R	PHASE YI-YI-R	
<input type="text" value="0"/>	<input type="text" value="0"/>	

COLOR CORRECTION		8 / 9
SAT YI-R	PHASE YI-R	
<input type="text" value="0"/>	<input type="text" value="0"/>	
SAT YI-R-R	PHASE YI-R-R	
<input type="text" value="0"/>	<input type="text" value="0"/>	

COLOR CORRECTION		9 / 9
SW ON		

Item	Setting details
SAT R	Adjusts the saturation of red.
PHASE R	Adjusts the phase of red.
SAT R-R-Mg	Adjusts the saturation of the color with a 3:1 red to magenta ratio.
PHASE R-R-Mg	Adjusts the phase of the color with a 3:1 red to magenta ratio.
SAT R-Mg	Adjusts the saturation of the color between red and magenta.
PHASE R-Mg	Adjusts the phase of the color between red and magenta.
SAT Mg	Adjusts the saturation of magenta.
PHASE Mg	Adjusts phase of magenta.
SAT Mg-B	Adjusts the saturation of the color between magenta and blue.
PHASE Mg-B	Adjusts the phase of the color between magenta and blue.
SAT B	Adjusts the saturation of blue.
PHASE B	Adjusts the phase of blue.

Item	Setting details
SAT B-Cy	Adjusts the saturation of the color between blue and cyan.
PHASE B-Cy	Adjusts the phase of the color between blue and cyan.
SAT Cy	Adjusts the saturation of cyan.
PHASE Cy	Adjusts the phase of cyan.
SAT Cy-G	Adjusts the saturation of the color between cyan and green.
PHASE Cy-G	Adjusts the phase of the color between cyan and green.
SAT G	Adjusts the saturation of green.
PHASE G	Adjusts phase of green.
SAT G-YI	Adjusts the saturation of the color between green and yellow.
PHASE G-YI	Adjusts the phase of the color between green and yellow.
SAT G-YI-YI	Adjusts the saturation of the color with a 1:3 green to yellow ratio.
PHASE G-YI-YI	Adjusts the phase of the color with a 1:3 green to yellow ratio.
SAT YI	Adjusts the saturation of yellow.
PHASE YI	Adjusts the phase of yellow.
SAT YI-YI-R	Adjusts the saturation of the color with a 3:1 yellow to red ratio.
PHASE YI-YI-R	Adjusts the phase of the color with a 3:1 yellow to red ratio.
SAT YI-R	Adjusts the saturation of the color between yellow and red.
PHASE YI-R	Adjusts the phase of the color between yellow and red.
SAT YI-R-R	Adjusts the saturation of the color with a 1:3 yellow to red ratio.
PHASE YI-R-R	Adjusts the phase of the color with a 1:3 yellow to red ratio.
SW	Sets the color correction function to ON/OFF.

18 IRIS RELATIVE

For details on operations and settings, refer to the following section in the Operating Instructions.

➡ "29 IRIS RELATIVE"

19 SYSTEM CAM

SYSTEM CAM
1 / 1

CONTROL

OFF

**TALLY
INPUT**

CAM1

SIGNAL

OFF

**TALLY
CONT MD**

SELECT

Item	Setting details
TALLY CONTROL	Sets whether or not to notify the camera when there is a tally input from the <PREVIEW> connector.
TALLY INPUT	Sets the camera to be notified of a tally input when [TALLY CONTROL] is set to "ON".
TALLY SIGNAL	Displays the status of the tally input to the unit. "ON" is displayed when there is input, and "OFF" when there is no input.
TALLY CONT MD	Sets the control method for when a tally is input to the unit.

20 CAMERA MENU CONTROL

CAMERA MENU CONTROL		1 / 1
MENU ON/OFF	CURSOR/ PARAMETER	EXECUTE
OFF	(turn)	(push)
MENU EXIT		
(push)		

Item	Setting details
MENU ON/OFF	Turns the menu ON/OFF.
CURSOR/PARAMETER	Moves the menu cursor or changes setting values.
EXECUTE	Executes the selected process.
MENU EXIT	Returns to the previous menu display.

21 ROP SETTING

For details on operations and settings, refer to the following section in the Operating Instructions.

➡ “37 ROP SETTING”



NOTE

- Only “ABS” can be set for [IRIS LEV MODE].

22 CONNECT SETTING

When connecting the unit with the AJ-CX4000, set the camera connection method to “LAN(AJ2)”.

For details on operations and settings, refer to the following section in the Operating Instructions.

➡ “38 CONNECT SETTING”

23 ROP IP SETTING

For details on operations and settings, refer to the following section in the Operating Instructions.

➡ “39 ROP IP SETTING”

24 CAMERA IP SETTING

For details on operations and settings, refer to the following section in the Operating Instructions.

➡ “40 CAMERA IP SETTING”

25 AUTO IRIS SETTING

AUTO IRIS SETTING1 / 1

AUTO IRIS

LEVEL

50

WINDOW

NRML1

Item	Setting details
AUTO IRIS LEVEL	Sets the auto iris level.
AUTO IRIS WINDOW	Selects the auto iris detection window.

26 SWITCHER LINK

For details on operations and settings, refer to the following section in the Operating Instructions.

➡ "47 SWITCHER LINK"

27 AW CONTROLLER LINK

For details on operations and settings, refer to the following section in the Operating Instructions.

➡ "48 AW CONTROLLER LINK"