

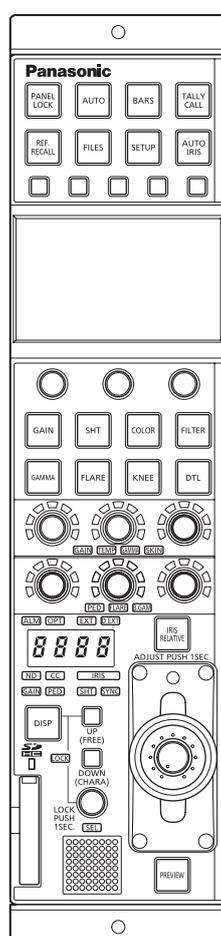
# Operating Guide

Remote Operation Panel

Model No.

# AK-HRP1005G

Read this document when using the AK-HRP1005G Remote Operation Panel in conjunction with AW-UE100 4K Integrated Camera.



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

DVQP2496ZA

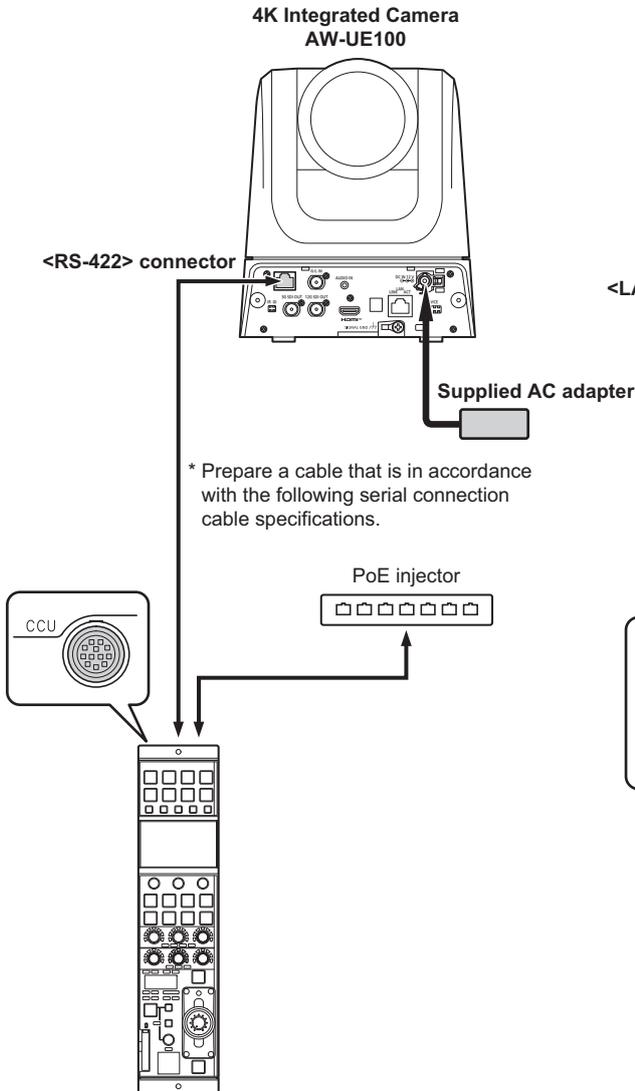
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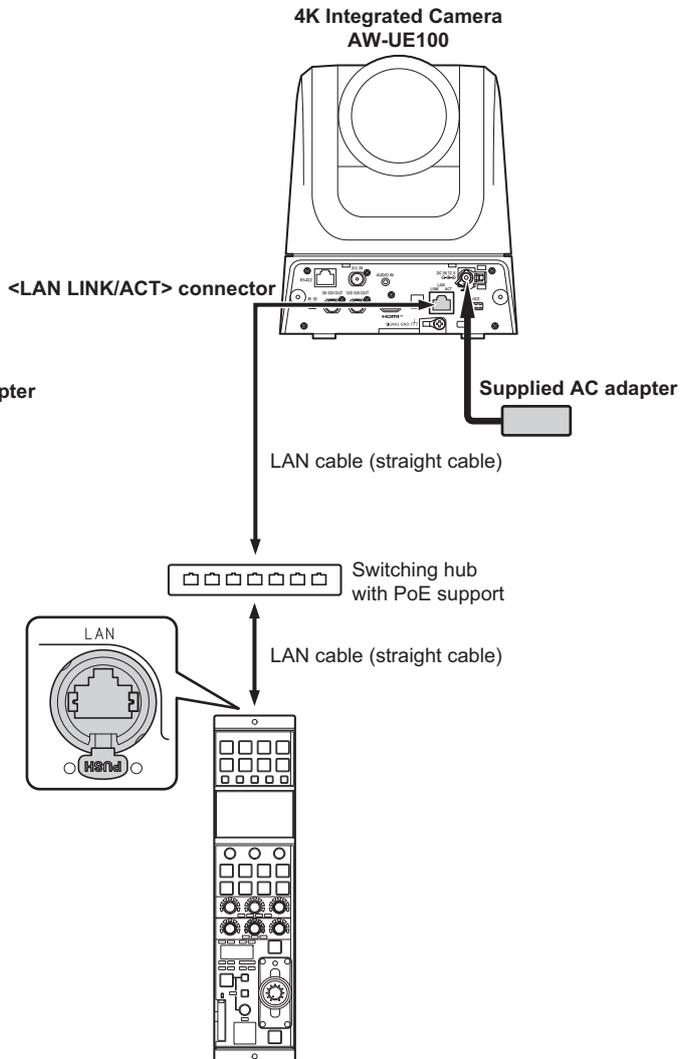
# Connecting the Unit to AW-UE100 Cameras

## Connection Example

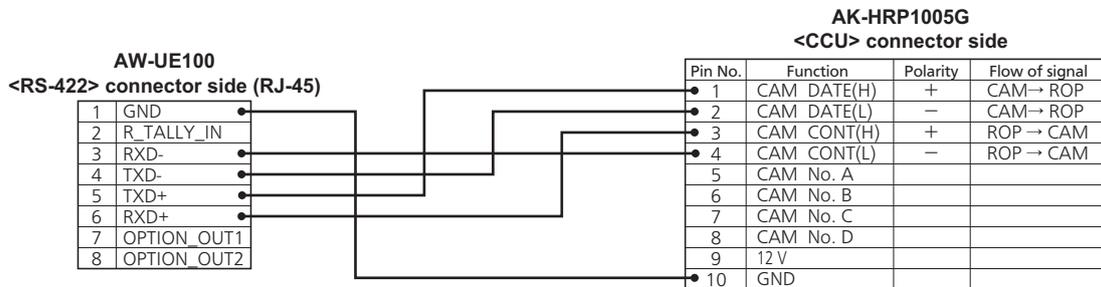
### Serial connection with AW-UE100



### IP connection with AW-UE100

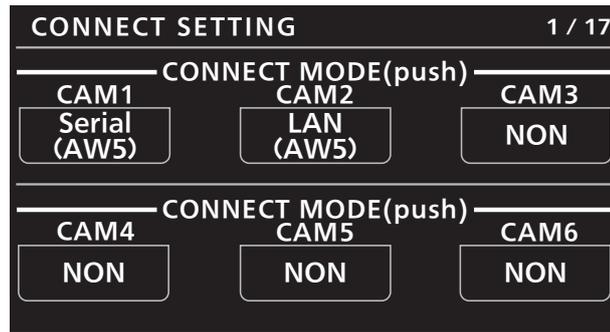


### Serial connection cable specifications



## Connections

- Set the connection setting to “Serial(AW5)” or “LAN(AW5)” in the [CONNECT SETTING] menu.



- When connecting, observe the following points.

### Serial connection

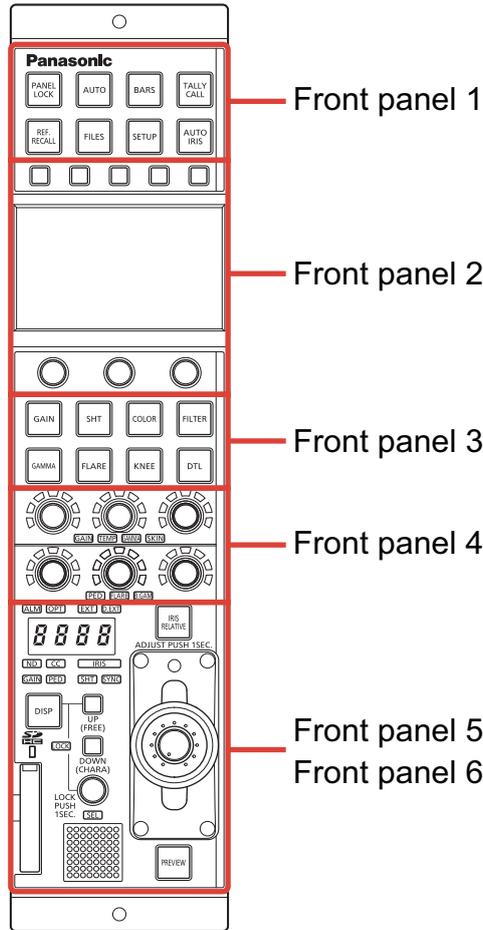
- Use a dedicated cable to connect the <CCU> connector of this unit to the <RS-422> connector of the AW-UE100.
- Use a PoE injector for the power supply.

### LAN connection

- Connect the <LAN> connector on this unit to the <LAN LINK/ACT> connector on the AW-UE100 using a LAN cable (sold separately).
  - Configure the camera IP address and port number settings of the connection destinations in [CAMERA IP SETTING] as well.
  - This unit can be powered using PoE. Use a switching hub with PoE support.
  - Use a straight cable (category 5e or higher; up to 100 m (328.0 ft) in length) for the LAN cable (STP).
- For details on switching hubs and PoE injectors that have been verified to support PoE, consult with your dealer.

## Compatible Functions List

When the unit is used in conjunction with an AW-UE100 4K Integrated Camera, there will be functions that are limited or disabled for some of the unit's buttons, dials, and other controls. Be sure to refer to the following table.



Number	Part name	✓ : Enabled × : Disabled	Remarks
Front panel 1	[PANEL LOCK] button	✓	
	[AUTO] button	✓	If auto setup has been assigned, this will not operate.
	[BARS] button	✓	Only the ON/OFF for the color bar signal output will function.
	[TALLY/CALL] lamp/button	×	
	[REF. RECALL] button	×	
	[FILES] button	✓	This is always lit.
	[SETUP] button	✓	
Front panel 2	Function buttons	✓	
	LCD panel	✓	
	Menu operation dials	✓	

Number	Part name	✓ : Enabled ×: Disabled	Remarks
Front panel 3	[GAIN] button	✓	When this button is pressed, the gain menu appears on the LCD panel. The button is lit during menu display.
	[SHT] button	✓	When this button is pressed, the shutter menu appears on the LCD panel. The button is lit during menu display.
	[COLOR] button	✓	The menus will switch with each press of the button. The button is lit during menu display. [WHITE BALANCE] > [CHROMA] > [MATRIX] > [COLOR CORRECTION] > Menu off (status screen)
	[FILTER] button	✓	Only the ND filter can be configured.
	[GAMMA] button	✓	The menus will switch with each press of the button. The button is lit during menu display. [GAMMA] > [BLACK GAMMA] > Menu off (status screen)
	[FLARE] button	×	
	[KNEE] button	✓	The menus will switch with each press of the button. The button is lit during menu display. [KNEE] > [WHITE CLIP] > Menu off (status screen)
	[DTL] button	✓	The menus will switch with each press of the button. The button is lit during menu display. [DETAIL] > [DNR] > Menu off (status screen)
Front panel 4	[GAIN], [TEMP], [GAMMA], [SKIN] adjustment block	✓	When [GAIN] is lit, adjust [GAIN R] with the red (R) adjustment dial, and adjust [GAIN B] with the blue (B) adjustment dial. When [TEMP] is lit, [COLOR TEMP] is adjusted with the green (G) adjustment dial. When [GAMMA] is lit, "MASTER GAMMA" is adjusted using the green (G) adjustment dial. [SKIN] adjustment is disabled.
	[PED], [FLARE], [B.GAM] adjustment block	✓	When [PED] is lit, adjust [PED R] with the red (R) adjustment dial, adjust [M.PED] with the green (G) adjustment dial, and adjust [PED B] with the blue (B) adjustment dial. [FLARE] adjustment is disabled. When [B.GAM] is lit, [BLACK GAMMA] is adjusted using the green (G) adjustment dial.

Number	Part name	✓ : Enabled ×: Disabled	Remarks
Front panel 5	[ALM] indicator	✓	
	[OPT] indicator	×	
	[EXT] indicator	×	
	[D.EXT] indicator	✓	
	Adjustment value display	✓	The adjustment value of the CC filter is not displayed.
	[ND] indicator	✓	
	[CC] indicator	×	
	[IRIS] indicator	✓	
	[GAIN] indicator	✓	
	[PED] indicator	✓	
	[SHT] indicator	✓	
	[SYNC] indicator	✓	
	[DISP] button	✓	
	[UP (FREE)] button	✓	
	[DOWN (CHARA)] button	✓	
[LOCK] indicator	✓		
[SEL] dial	✓		
Front panel 6	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 AW-UE100 connection)

## ROP Menu List

When an AW-UE100 4K Integrated Camera is connected, the ROP menu will be as follows.

### NOTE

- To perform menu operations, upgrade the system version of the unit to V5.00-00-0.00 or later.

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

- ➔ “Displaying menus”
- ➔ “Basic menu operations”

01 SCENE	SCENE1(push)	➔ “SCENE1(push)” (see page 14)
	SCENE2(push)	➔ “SCENE2(push)” (see page 14)
	SCENE3(push)	➔ “SCENE3(push)” (see page 14)
	SCENE4(push)	➔ “SCENE4(push)” (see page 14)
02 SHUTTER SPEED	MODE	➔ “MODE” (see page 15)
	SPEED	➔ “SPEED” (see page 15)
	ELC	➔ “ELC” (see page 15)
03 FILTER	ND	➔ “ND” (see page 16)
04 PEDESTAL	M.PED	➔ “M.PED” (see page 17)
	OFFSET	➔ “OFFSET” (see page 17)
	PED R	➔ “PED R” (see page 17)
	PED G	➔ “PED G” (see page 17)
	PED B	➔ “PED B” (see page 17)
05 CHROMA	LEVEL	➔ “LEVEL” (see page 18)
	PHASE	➔ “PHASE” (see page 18)
06 GAIN	SUPER GAIN	➔ “SUPER GAIN” (see page 19)
	GAIN	➔ “GAIN” (see page 19)
	AGC MAX GAIN	➔ “AGC MAX GAIN” (see page 19)
07 WHITE BALANCE	MODE	➔ “MODE” (see page 20)
	COLOR TEMP	➔ “COLOR TEMP” (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 TRGT R	➔ “ATW TRGT R” (see page 20)
	ATW TRGT B	➔ “ATW TRGT B” (see page 20)
08 GAMMA	MODE	➔ “MODE” (see page 21)
	GAMMA	➔ “GAMMA” (see page 21)
09 BLACK GAMMA	BLACK GAMMA	➔ “BLACK GAMMA” (see page 22)
	RANGE	➔ “RANGE” (see page 22)
10 KNEE	MODE	➔ “MODE” (see page 23)
	A.KNEE RESPONSE	➔ “A.KNEE RESPONSE” (see page 23)
	POINT	➔ “POINT” (see page 23)
	SLOPE	➔ “SLOPE” (see page 23)
11 WHITE CLIP	WHITE CLIP	➔ “WHITE CLIP” (see page 24)
	WHITE CLP LV	➔ “WHITE CLP LV” (see page 24)

12 DRS	DRS	➔ "DRS" (see page 25)
13 DETAIL	MASTER DTL	➔ "MASTER DTL" (see page 26)
	CORING	➔ "CORING" (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.LEVEL	➔ "KNEE APE.LEVEL" (see page 26)
	GAIN(+)	➔ "GAIN (+)" (see page 26)
	GAIN(-)	➔ "GAIN (-)" (see page 26)
	SKIN DTL	➔ "SKIN DTL" (see page 26)
	SKIN DTL EFFECT	➔ "SKIN DTL EFFECT" (see page 26)
	DTL SW	➔ "DTL SW" (see page 26)
14 MATRIX	TYPE	➔ "TYPE" (see page 27)
	ADAPTIVE MATRIX	➔ "ADAPTIVE MATRIX" (see page 27)
	R-G	➔ "R-G" (see page 27)
	R-B	➔ "R-B" (see page 27)
	G-R	➔ "G-R" (see page 27)
	G-B	➔ "G-B" (see page 27)
	B-R	➔ "B-R" (see page 27)
	B-G	➔ "B-G" (see page 27)

15 COLOR CORRECTION	TYPE	➔ "TYPE" (see page 29)
	ADAPTIVE MATRIX	➔ "ADAPTIVE MATRIX" (see page 29)
	COLOR CORRECT	➔ "COLOR CORRECT" (see page 29)
	SAT	➔ "SAT" (see page 29)
	PHASE	➔ "PHASE" (see page 29)
	SAT B_Mg	➔ "SAT B_Mg" (see page 29)
	PHASE B_Mg	➔ "PHASE B_Mg" (see page 29)
	SAT Mg	➔ "SAT Mg" (see page 29)
	PHASE Mg	➔ "PHASE Mg" (see page 29)
	SAT Mg_R	➔ "SAT Mg_R" (see page 29)
	PHASE Mg_R	➔ "PHASE Mg_R" (see page 29)
	SAT Mg_R_R	➔ "SAT Mg_R_R" (see page 29)
	PHASE Mg_R_R	➔ "PHASE Mg_R_R" (see page 30)
	SAT R	➔ "SAT R" (see page 30)
	PHASE R	➔ "PHASE R" (see page 30)
	SAT R_R_YI	➔ "SAT R_R_YI" (see page 30)
	PHASE R_R_YI	➔ "PHASE R_R_YI" (see page 30)
	SAT R_YI	➔ "SAT R_YI" (see page 30)
	PHASE R_YI	➔ "PHASE R_YI" (see page 30)
	SAT R_YI_YI	➔ "SAT R_YI_YI" (see page 30)
	PHASE R_YI_YI	➔ "PHASE R_YI_YI" (see page 30)
	SAT YI	➔ "SAT YI" (see page 30)
	PHASE YI	➔ "PHASE YI" (see page 30)
	SAT YI_YI_G	➔ "SAT YI_YI_G" (see page 30)
	PHASE YI_YI_G	➔ "PHASE YI_YI_G" (see page 30)
	SAT YI_G	➔ "SAT YI_G" (see page 30)
	PHASE YI_G	➔ "PHASE YI_G" (see page 30)
	SAT G	➔ "SAT G" (see page 30)
	PHASE G	➔ "PHASE G" (see page 30)
	SAT G_CY	➔ "SAT G_CY" (see page 30)
	PHASE G_CY	➔ "PHASE G_CY" (see page 30)
	SAT CY	➔ "SAT CY" (see page 30)
	PHASE CY	➔ "PHASE CY" (see page 30)
SAT CY_B	➔ "SAT CY_B" (see page 30)	
PHASE CY_B	➔ "PHASE CY_B" (see page 30)	
SAT B	➔ "SAT B" (see page 30)	
PHASE B	➔ "PHASE B" (see page 30)	
16 DNR	DNR	➔ "DNR" (see page 31)
17 BRIGHTNESS	PICTURE LEVEL	➔ "PICTURE LEVEL" (see page 32)
	FRAME MIX	➔ "FRAME MIX" (see page 32)
	DAY/NIGHT	➔ "DAY/NIGHT" (see page 32)
	A.F.MIX GAIN	➔ "A.F.MIX GAIN" (see page 32)

18 LENS CONTROL	FOCUS MODE	➔ "FOCUS MODE" (see page 33)
	FOCUS SPEED	➔ "FOCUS SPEED" (see page 33)
	FOCUS	➔ "FOCUS" (see page 33)
	ZOOM WIDE	➔ "ZOOM WIDE" (see page 33)
	ZOOM SPEED	➔ "ZOOM SPEED" (see page 33)
	ZOOM TELE	➔ "ZOOM TELE" (see page 33)
	DIGITAL ZOOM SW	➔ "DIGITAL ZOOM SW" (see page 33)
	DIGITAL ZOOM MAX	➔ "DIGITAL ZOOM MAX" (see page 33)
	DIGITAL ZOOM D.EXT	➔ "DIGITAL ZOOM D.EXT" (see page 33)
19 IRIS RELATIVE	SENSE	➔ "SENSE" (see page 34)
	COARSE	➔ "COARSE" (see page 34)
	RELATIVE	➔ "RELATIVE" (see page 34)
20 SYSTEM CAM	FORMAT	➔ "FORMAT" (see page 35)
	FREQUENCY	➔ "FREQUENCY" (see page 35)
	12G 3G SDI	➔ "12G 3G SDI" (see page 35)
	3G 3G SDI	➔ "3G 3G SDI" (see page 35)
	I.S.	➔ "I.S." (see page 35)
	OSD 12G	➔ "OSD 12G" (see page 35)
	OSD 3G	➔ "OSD 3G" (see page 35)
	OSD MONI	➔ "OSD MONI" (see page 35)
	OSD HDMI	➔ "OSD HDMI" (see page 36)
	OSD IP	➔ "OSD IP" (see page 36)
	OSD STATUS	➔ "OSD STATUS" (see page 36)
	AUDIO	➔ "AUDIO" (see page 36)
	GENLOCK PHASE	➔ "GENLOCK PHASE" (see page 36)
	HEAD PW(push)	➔ "HEAD PW(push)" (see page 36)
	TALLY CONTROL	➔ "TALLY CONTROL" (see page 36)
	TALLY INPUT	➔ "TALLY INPUT" (see page 36)
	TALLY SIGNAL	➔ "TALLY SIGNAL" (see page 36)
TALLY CONT MD	➔ "TALLY CONT MD" (see page 36)	
21 CAMERA MENU CONTROL	MENU ON/OFF	➔ "MENU ON/OFF" (see page 37)
	CURSOR/PARAMETER	➔ "CURSOR/PARAMETER" (see page 37)
	EXECUTE	➔ "EXECUTE" (see page 37)

22 ROP SETTING	IRIS LEV MODE	Refer to the following section in the Operating Instructions. ➔ "37 ROP SETTING"
	M.PED CONT	
	LOCK SELECT	
	AUTO BUTTON	
	G/MPED 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		
23 CONNECT SETTING	CONNECT MODE(push) CAM1	➔ "CONNECT MODE(push) CAM1" (see page 39)
	CONNECT MODE(push) CAM2 to CAM99	➔ "CONNECT MODE(push) CAM2 to CAM99" (see page 39)

24 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	
25 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	
26 AUTO IRIS SETTING	IRIS SPEED	➔ "IRIS SPEED" (see page 41)
	IRIS WINDOW	➔ "IRIS WINDOW" (see page 41)
27 SWITCHER LINK	SW IP	Refer to the following sections in "Functions Added by Version Updates". ➔ "Functions linking with AV-HS6000"
	RECEIVE UDP PORT	
	UPLOAD	
	SWITCHER LINK	
	TALLY RECEIVE	
	PREVIEW	
	TALLY ACTION MATERIAL	
	TALLY ACTION CAM No.	
28 AW CONTROLLER LINK	RECEIVE PORT	Refer to the following sections in "Functions Added by Version Updates". ➔ "Function linking with AW-RP150"
	INFO UPLOAD	
	AW CONT LINK	

## 01 SCENE

SCENE
1 / 1

---

SCENE1  
(push)

ON

SCENE2  
(push)

OFF

SCENE3  
(push)

OFF

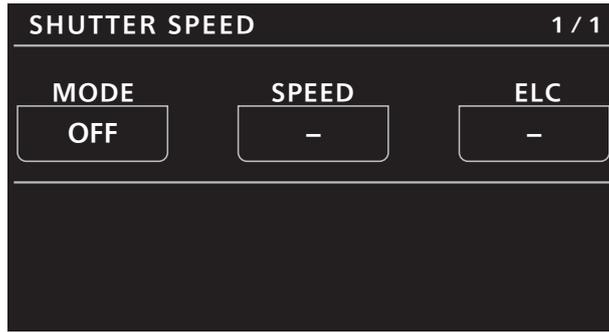
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SCENE4  
(push)

OFF

Item	Setting details
SCENE1(push)	Switches the scene file. <ul style="list-style-type: none"> <li>• Switches to the scene set to ON.</li> </ul>
SCENE2(push)	
SCENE3(push)	
SCENE4(push)	

## 02 SHUTTER SPEED



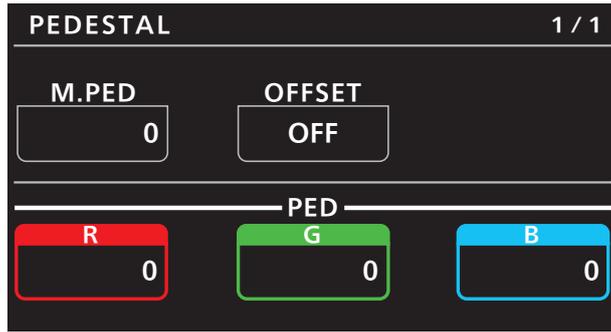
Item	Setting details
<b>MODE</b>	Selects the operation mode of the shutter.
<b>SPEED</b>	Sets the shutter speed.
<b>ELC</b>	Sets the maximum shutter value for ELC operation.

### 03 FILTER



Item	Setting details
ND	Sets the transmittance of the lens' built-in ND (neutral density) filter.

## 04 PEDESTAL



Item	Setting details
<b>M.PED</b>	Adjusts the black level of the master pedestal.
<b>OFFSET</b>	Sets the [PED R], [PED G], and [PED B] pedestal levels when the auto black balance is adjusted.
<b>PED R</b>	Sets the correction level of red to the master pedestal.
<b>PED G</b>	Sets the correction level of green to the master pedestal.
<b>PED B</b>	Sets the correction level of blue to the master pedestal.

## 05 CHROMA

CHROMA
1 / 1

---

LEVEL

PHASE

---

Item	Setting details
<b>LEVEL</b>	Sets the color intensity of images.
<b>PHASE</b>	Finely adjusts the color phase of images.

## 06 GAIN



Item	Setting details
<b>SUPER GAIN</b>	Sets the super gain (increased sensitivity) to ON/OFF.
<b>GAIN</b>	Adjusts the gain of images.
<b>AGC MAX GAIN</b>	When "AUTO" is selected as the [GAIN] setting, the maximum gain-up amount can be set.

## 07 WHITE BALANCE

WHITE BALANCE
1 / 2

MODE

AWB A

COLOR TEMP

3200K

GAIN OFFSET

OFF

---

GAIN

R

0

B

0

WHITE BALANCE
2 / 2

ATW

SPEED

NORMAL

TRGT R

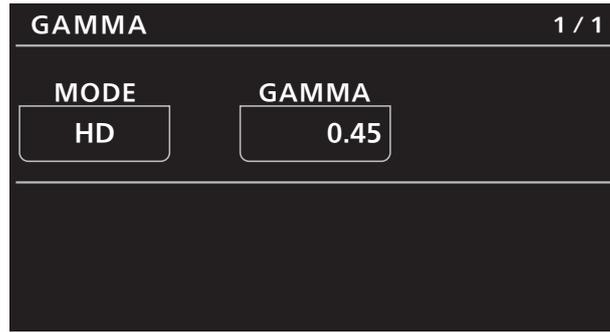
0

TRGT B

0

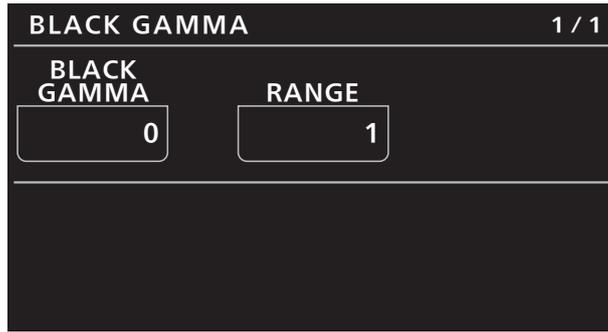
Item	Setting details
<b>MODE</b>	Sets the white balance mode.
<b>COLOR TEMP</b>	Sets color temperature settings.
<b>GAIN OFFSET</b>	Sets the [GAIN R] and [GAIN B] values when the [MODE] is set to "AWB A" or "AWB B".
<b>GAIN R</b>	Adjusts the R gain.
<b>GAIN B</b>	Adjusts the B gain.
<b>ATW SPEED</b>	Sets the control speed of the ATW function.
<b>ATW TRGT R</b>	Finely adjusts the [GAIN R] output when converged in the auto tracking white balance operation.
<b>ATW TRGT B</b>	Finely adjusts the [GAIN B] output when converged in the auto tracking white balance operation.

## 08 GAMMA



Item	Setting details
MODE	Selects the type of gamma curve.
GAMMA	Sets the gamma.

## 09 BLACK GAMMA



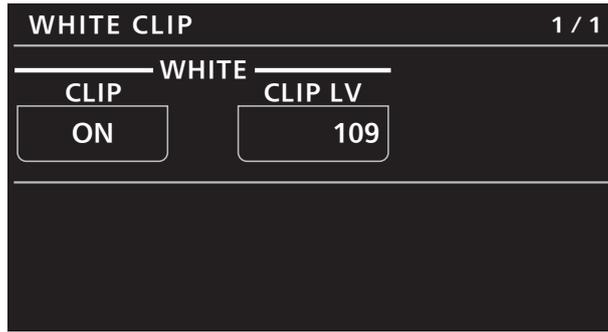
Item	Setting details
<b>BLACK GAMMA</b>	Sets the gamma curve for dark areas.
<b>RANGE</b>	Sets the maximum level for compression/expansion.

## 10 KNEE

KNEE		1 / 1
MODE	A. KNEE RESPONSE	
AUTO	4	
POINT	SLOPE	
93.0	99	

Item	Setting details
MODE	Sets the operating mode for gradation compression (knee). <ul style="list-style-type: none"> <li>When [DRS] is enabled, the knee settings are disabled.</li> </ul>
A.KNEE RESPONSE	Sets the auto knee response speed.
POINT	Sets the compression level (knee point) position for high-brightness video signals.
SLOPE	Sets the knee slope.

## 11 WHITE CLIP



Item	Setting details
WHITE CLIP	Sets the white clip function to ON/OFF.
WHITE CLP LV	Sets the white clip level.

## 12 DRS



Item	Setting details
DRS	Sets the DRS function, which performs correction when video with high light/dark contrast is displayed, to ON/OFF.

## 13 DETAIL

**DETAIL** 1 / 3

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<b>MASTER DTL</b> <input type="text" value="0"/>	<b>CORING</b> <input type="text" value="15"/>	<b>V DTL LEVEL</b> <input type="text" value="0"/>
<b>FREQ</b> <input type="text" value="0"/>	<b>LEVEL DEPEND.</b> <input type="text" value="0"/>	<b>KNEE APE. LEVEL</b> <input type="text" value="2"/>

**DETAIL** 2 / 3

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<b>GAIN(+)</b> <input type="text" value="0"/>	<b>GAIN(-)</b> <input type="text" value="0"/>
<b>SKIN DTL</b> <input type="text" value="OFF"/>	<b>SKIN DTL EFFECT</b> <input type="text" value="16"/>

**DETAIL** 3 / 3

---

<b>DTL SW</b> <input type="text" value="OFF"/>
---

Item	Setting details
<b>MASTER DTL</b>	Adjusts the contour correction level (master).
<b>CORING</b>	Sets the level of signal (including noise) that does not activate the detail effect.
<b>V DTL LEVEL</b>	Adjusts the vertical contour correction level.
<b>FREQ</b>	Sets the boost frequency for detail.
<b>LEVEL DEPEND.</b>	Compresses the detail in the dark areas when the detail of the bright signal is emphasized.
<b>KNEE APE. LEVEL</b>	Sets the detail level of high luminosity areas (extremely bright areas).
<b>GAIN (+)</b>	Sets the detail level of the plus direction (direction to make brighter).
<b>GAIN (-)</b>	Sets the detail level of the minus direction (direction to make darker).
<b>SKIN DTL</b>	Sets the function to make the skin of subjects appear smoother and more attractive to ON/OFF.
<b>SKIN DTL EFFECT</b>	The higher the setting value, the smoother the skin of the subjects you shoot appears.
<b>DTL SW</b>	Sets image contour (image sharpness) adjustment to ON/OFF.

## 14 MATRIX

MATRIX
1 / 2

---

TYPE

**NORMAL**

ADAPTIVE  
MATRIX

**OFF**

---

R-G

R-B

G-R

MATRIX
2 / 2

---

G-B

B-R

B-G

---

Item	Setting details
<b>TYPE</b>	Selects the type of color matrix.
<b>ADAPTIVE MATRIX</b>	Turns ON/OFF the function to suppress the linear matrix according to the shooting conditions.
<b>R-G</b>	Adjusts the linear matrix between red and green.
<b>R-B</b>	Adjusts the linear matrix between red and blue.
<b>G-R</b>	Adjusts the linear matrix between green and red.
<b>G-B</b>	Adjusts the linear matrix between green and blue.
<b>B-R</b>	Adjusts the linear matrix between blue and red.
<b>B-G</b>	Adjusts the linear matrix between blue and green.

## 15 COLOR CORRECTION

**COLOR CORRECTION** 1 / 9

<b>TYPE</b>	<b>ADAPTIVE MATRIX</b>	
NORMAL	OFF	
<b>COLOR CORRECT</b>	<b>SAT</b>	<b>PHASE</b>
B_Mg	0	0

**COLOR CORRECTION** 2 / 9

<b>SAT</b> B_Mg	<b>PHASE</b> B_Mg
0	0
<b>SAT</b> Mg	<b>PHASE</b> Mg
0	0

**COLOR CORRECTION** 3 / 9

<b>SAT</b> Mg_R	<b>PHASE</b> Mg_R
0	0
<b>SAT</b> Mg_R_R	<b>PHASE</b> Mg_R_R
0	0

**COLOR CORRECTION** 4 / 9

<b>SAT</b> R	<b>PHASE</b> R
0	0
<b>SAT</b> R_R_YI	<b>PHASE</b> R_R_YI
0	0

**COLOR CORRECTION** 5 / 9

<b>SAT</b> R_YI	<b>PHASE</b> R_YI
0	0
<b>SAT</b> R_YI_YI	<b>PHASE</b> R_YI_YI
0	0

**COLOR CORRECTION** 6 / 9

SAT YI      PHASE YI

---

SAT YI\_YI\_G      PHASE YI\_YI\_G

**COLOR CORRECTION** 7 / 9

SAT YI\_G      PHASE YI\_G

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SAT G      PHASE G

**COLOR CORRECTION** 8 / 9

SAT G\_CY      PHASE G\_CY

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SAT CY      PHASE CY

**COLOR CORRECTION** 9 / 9

SAT CY\_B      PHASE CY\_B

---

SAT B      PHASE B

Item	Setting details
TYPE	Selects the type of color matrix.
ADAPTIVE MATRIX	Turns ON/OFF the function to suppress the linear matrix according to the shooting conditions.
COLOR CORRECT	Selects the color component in 12-axis matrix memory to adjust.
SAT	Adjusts the saturation of the color component selected in [COLOR CORRECT].
PHASE	Adjusts the hue of the color component selected in [COLOR CORRECT].
SAT B_Mg	Adjusts the color saturation between blue and magenta.
PHASE B_Mg	Adjusts the hue between blue and magenta.
SAT Mg	Adjusts magenta color saturation.
PHASE Mg	Adjusts magenta hue.
SAT Mg_R	Adjusts the color saturation between magenta and red.
PHASE Mg_R	Adjusts the hue between magenta and red.
SAT Mg_R_R	Adjusts the color saturation with a 1:3 magenta to red ratio.

Item	Setting details
PHASE Mg_R_R	Adjusts the hue with a 1:3 magenta to red ratio.
SAT R	Adjusts red color saturation.
PHASE R	Adjusts red hue.
SAT R_R_YI	Adjusts the color saturation with a 3:1 red to yellow ratio.
PHASE R_R_YI	Adjusts the hue with a 3:1 red to yellow ratio.
SAT R_YI	Adjusts the color saturation between red and yellow.
PHASE R_YI	Adjusts the hue between red and yellow.
SAT R_YI_YI	Adjusts the color saturation with a 1:3 red to yellow ratio.
PHASE R_YI_YI	Adjusts the hue with a 1:3 red to yellow ratio.
SAT YI	Adjusts yellow color saturation.
PHASE YI	Adjusts yellow hue.
SAT YI_YI_G	Adjusts the color saturation with a 3:1 yellow to green ratio.
PHASE YI_YI_G	Adjusts the hue with a 3:1 yellow to green ratio.
SAT YI_G	Adjusts the color saturation between yellow and green.
PHASE YI_G	Adjusts the hue between yellow and green.
SAT G	Adjusts green color saturation.
PHASE G	Adjusts green hue.
SAT G_CY	Adjusts the color saturation between green and cyan.
PHASE G_CY	Adjusts the hue between green and cyan.
SAT CY	Adjusts cyan color saturation.
PHASE CY	Adjusts cyan hue.
SAT CY_B	Adjusts the color saturation between cyan and blue.
PHASE CY_B	Adjusts the hue between cyan and blue.
SAT B	Adjusts blue color saturation.
PHASE B	Adjusts blue hue.

**16 DNR**



Item	Setting details
DNR	Sets the level for the noise reduction.

## 17 BRIGHTNESS

**BRIGHTNESS**
1 / 1

---

**PICTURE  
LEVEL**

0

**FRAME  
MIX**

OFF

**DAY/  
NIGHT**

Day

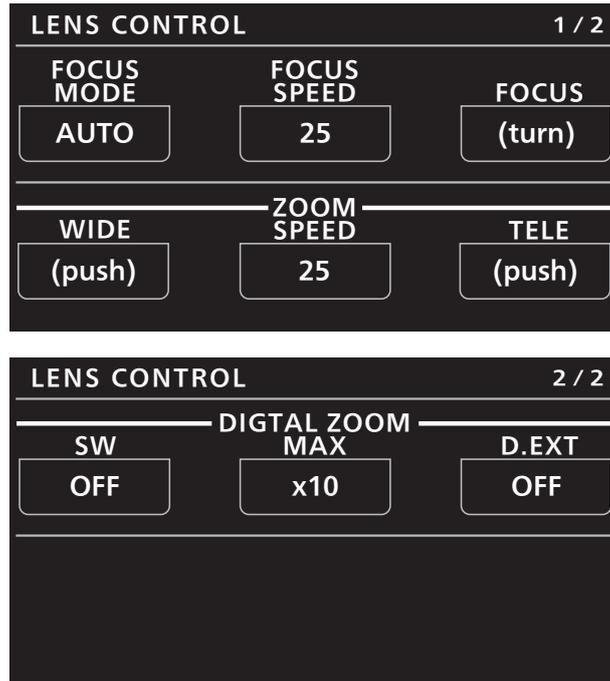
---

**A.F.MIX  
GAIN**

18

Item	Setting details
<b>PICTURE LEVEL</b>	Sets the target picture level for auto exposure correction.
<b>FRAME MIX</b>	Selects for frame addition (gain-up using sensor storage) amount.
<b>DAY/NIGHT</b>	Switches between standard shooting (day mode) and night-vision shooting (night mode: shooting with infrared light).
<b>A.F.MIX GAIN</b>	Sets the maximum frame addition amount for when [FRAME MIX] operates in "AUTO".

## 18 LENS CONTROL



Item	Setting details
<b>FOCUS MODE</b>	Selects auto or manual mode for the focus adjustment function.
<b>FOCUS SPEED</b>	Adjusts the focus operation speed.
<b>FOCUS</b>	Adjusts the lens focus manually.
<b>ZOOM WIDE</b>	Adjusts the lens zoom to wide angle (Wide).
<b>ZOOM SPEED</b>	Adjusts the zoom operation speed.
<b>ZOOM TELE</b>	Adjusts the lens zoom to telephoto (Tele).
<b>DIGITAL ZOOM SW</b>	Sets the digital zoom function to ON/OFF.
<b>DIGITAL ZOOM MAX</b>	Sets the maximum digital zoom magnification.
<b>DIGITAL ZOOM D.EXT</b>	Sets the digital extender function to "OFF", "x1.4", or "x2".

## 19 IRIS RELATIVE

IRIS RELATIVE
1 / 1

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**SENSE**

**COARSE**

---

**RELATIVE**

Item	Setting details
<b>SENSE</b>	Adjusts the iris variable range for when the iris lever is moved from the center to the top and bottom ends.
<b>COARSE</b>	Use this dial to adjust the iris value when the IRIS lever is moved to the center.
<b>RELATIVE</b>	When this is set to "ON", the iris lever's variable range is not dependent on the [SENSE] and [COARSE] settings and will include the entire range between OPEN and CLOSE.

## 20 SYSTEM CAM

**SYSTEM CAM** 1 / 4

**FORMAT**

2160/59.94p

**FREQUENCY** 59.94

**12G 3G SDI** LV A

**3G 3G SDI** LV A

**SYSTEM CAM** 2 / 3

**I.S.** OFF

**OSD 12G** OFF

**OSD 3G** OFF

**OSD MONI** ON

**OSD HDMI** OFF

**OSD IP** ON

**SYSTEM CAM** 3 / 4

**OSD STATUS** OFF

**AUDIO** OFF

**GENLOCK PHASE** 0

**HEAD PW (push)** OFF

**SYSTEM CAM** 4 / 4

**CONTROL** OFF

**TALLY INPUT** CAM1

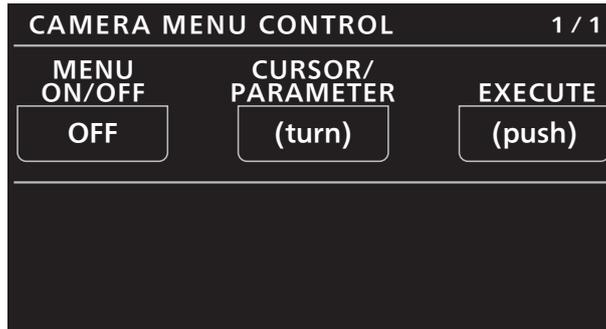
**SIGNAL** OFF

**TALLY CONT MD** SELECT

Item	Setting details
<b>FORMAT</b>	Displays the system format.
<b>FREQUENCY</b>	Indicates the frame frequency.
<b>12G 3G SDI</b>	Selects the format to output 3G SDI signals when the video format of 12G SDI/OPTICAL is "1080/59.94p" or "1080/50p".
<b>3G 3G SDI</b>	Selects the format to output 3G SDI signals when the video format of 3G SDI is "1080/59.94p" or "1080/50p".
<b>I.S.</b>	Sets the image stabilization to ON/OFF.
<b>OSD 12G</b>	Selects ON/OFF for the display of the camera menu, status, and other information that is output from the <12G SDI OUT> connectors.
<b>OSD 3G</b>	Selects ON/OFF for the display of the camera menu, status, and other information that is output from the <3G SDI OUT> connectors.
<b>OSD MONI</b>	Selects ON/OFF for the display of the camera menu, status, and other information that is output from the <MONITOR OUT> connectors.

Item	Setting details
<b>OSD HDMI</b>	Selects ON/OFF for the display of the camera menu, status, and other information that is output from the <HDMI> connector.
<b>OSD IP</b>	Selects ON/OFF for the display of the camera menu, status, and other information that is output from the <LAN LINK/ACT> connector.
<b>OSD STATUS</b>	Sets ON/OFF for status display and error display during AWB and ABB execution.
<b>AUDIO</b>	Sets the audio input to ON/OFF.
<b>GENLOCK PHASE</b>	This is used to adjust the horizontal phase during genlock.
<b>HEAD PW(push)</b>	Use this button to control camera power remotely.
<b>TALLY CONTROL</b>	<p>Sets whether or not to notify the camera when there is a tally input from the &lt;PREVIEW&gt; connector. When this is set to "ON", notification is sent if there is a tally input when the camera set in [TALLY INPUT] is selected.</p> <ul style="list-style-type: none"> <li>This is enabled when other than "Serial", "LAN", "Serial(AK)", and "LAN(AK)" is set in [CONNECT SETTING].</li> </ul>
<b>TALLY INPUT</b>	<p>Sets the camera to be notified of a tally input when [TALLY CONTROL] is set to "ON".</p> <ul style="list-style-type: none"> <li>This is enabled when other than "Serial", "LAN", "Serial(AK)", and "LAN(AK)" is set in [CONNECT SETTING].</li> </ul>
<b>TALLY SIGNAL</b>	<p>Displays the tally input status of the &lt;PREVIEW&gt; connector. "ON" is displayed when there is tally input, and "OFF" is displayed when there is no tally input.</p>
<b>TALLY CONT MD</b>	<p>Sets the method for sending tally notifications to the camera.</p> <p><b>SELECT</b> Sends tally notifications to the camera in accordance with the [TALLY CONTROL] and [TALLY INPUT] settings.</p> <p><b>DIRECT</b> Sends tally notifications to the camera currently connected with the unit.</p> <ul style="list-style-type: none"> <li>If the unit is connected to another camera when there is tally input from the &lt;PREVIEW&gt; connector and [TALLY CONTROL] is "ON", be careful because [TALLY CONTROL] will not be set to "OFF" for the camera before the connection is switched. Furthermore, [TALLY CONTROL] will be set to "ON" for the newly connected camera in this case.</li> </ul>

## 21 CAMERA MENU CONTROL



Item	Setting details
<b>MENU ON/OFF</b>	Turns the menu ON/OFF.
<b>CURSOR/PARAMETER</b>	Moves the menu cursor or changes setting values.
<b>EXECUTE</b>	Executes the selected process.

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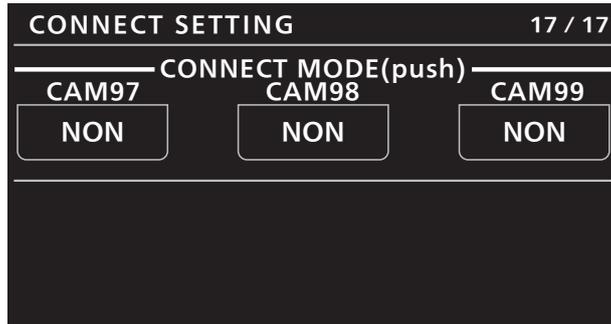
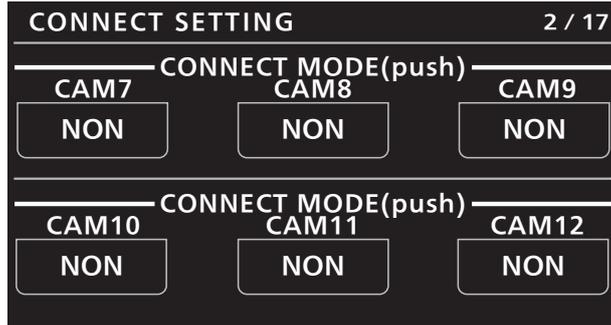
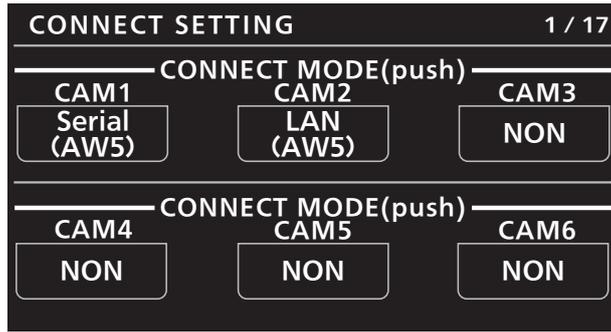
## **22 ROP SETTING**

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

➡ "37 ROP SETTING"

## 23 CONNECT SETTING



Item	Setting details
<b>CONNECT MODE(push) CAM1</b>	Sets the connection method for camera 1. Changes to settings are applied by pressing the menu operation dial. Select "LAN(AW5)" and "Serial(AW5)" when connecting with the AW-UE100. <ul style="list-style-type: none"> <li>• "Serial(AW5)" cannot be set for multiple cameras.</li> </ul>
<b>CONNECT MODE(push) CAM2 to CAM99</b>	Sets the connection method for cameras 2 to 99. Changes to settings are applied by pressing the menu operation dial. Select "LAN(AW5)" and "Serial(AW5)" when connecting with the AW-UE100. <ul style="list-style-type: none"> <li>• "Serial(AW5)" cannot be set for multiple cameras.</li> </ul>

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## **24 ROP IP SETTING**

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

➔ "39 ROP IP SETTING"

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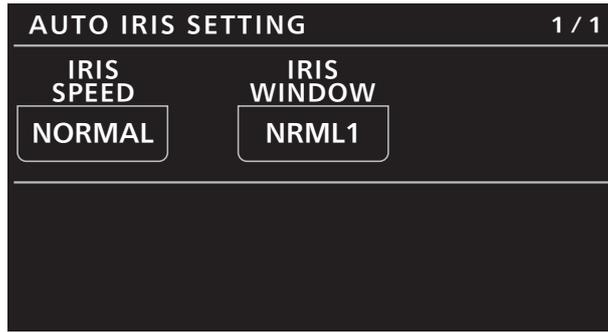
## **25 CAMERA IP SETTING**

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

➔ "40 CAMERA IP SETTING"

## 26 AUTO IRIS SETTING



Item	Setting details
<b>IRIS SPEED</b>	Sets the control speed of the auto iris function.
<b>IRIS WINDOW</b>	Selects the auto iris detection window.

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## **27 SWITCHER LINK**

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For details on operations and settings, refer to the following sections in "Functions Added by Version Updates".

➡ "Functions linking with AV-HS6000"

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## **28 AW CONTROLLER LINK**

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For details on operations and settings, refer to the following sections in "Functions Added by Version Updates".

➡ "Function linking with AW-RP150"