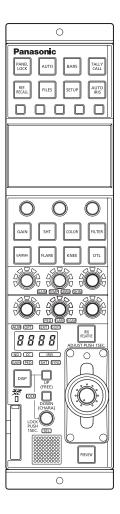
Operating Guide

Remote Operation Panel AK-HRP1015G

Model No.

Read this document when using the AK-HRP1015G Remote Operation Panel in conjunction with AK-UB300G Series Multi-Purpose Cameras.



For details of operating Remote Operation Panel AK-HRP1015G, please visit the Panasonic website (https://pro-av.panasonic.net/manual/en/index. html), and refer to the Operating Instructions (HTML or PDF).

Panasonic



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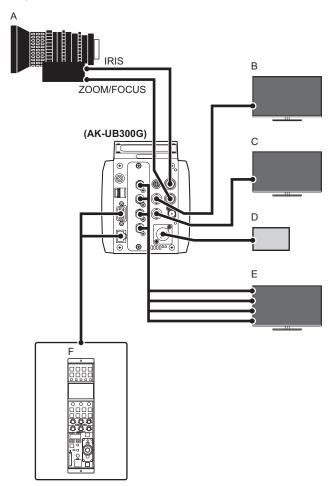
Connecting the Unit to AK-UB300G Series Cameras



• The descriptions in this document assume that the system version of the unit is V2.00-00-0.00 or later. Make sure that the system version of the AK-UB300G used in conjunction with the unit is V7.52-000-00.00 or later.

System block diagram

This is the configuration for connecting one AK-UB300G and one remote operation panel.



- A. Remote control lens
- B. HD monitor (for HD main line)
- C. HD monitor (for HD monitor)
- D. External DC power supply
- E. UHD/HD monitor (for UHD/HD main line)
- F. AK-HRP1015G
 - Video output

For UHD mode

- For UHD main line: Use the output from the <UHD/HD SDI OUT 1> to <UHD/HD SDI OUT 4> terminals.
- For HD main line: Use the output from the <HD SDI OUT 1> terminal.
- For HD monitor: Use the output from the <HD SDI OUT 2> terminal.

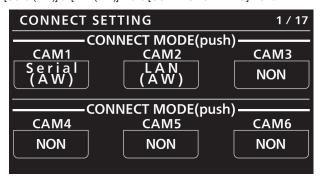
For UHD CROP mode/HD mode

- For HD main line: Use the output from the <HD SDI OUT 1> terminal, or the output from the <UHD/HD SDI OUT 1>/<UHD/HD SDI OUT 2> terminal.
- For HD monitor: Use the output from the <HD SDI OUT 2> terminal.
- Remote operation panel

Connect AK-HRP1015G to the <I/F> terminal or the <LAN> terminal of the AK-UB300G.

Connections

• Set the connection setting to [Serial(AW)] or [LAN(AW)] 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 <I/F> terminal of the AK-UB300G.
- Use a PoE injector for the power supply.

LAN connection

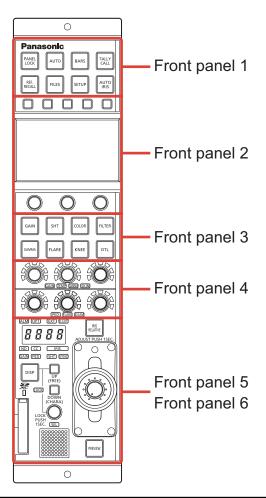
- Connect the [LAN] connector on this unit to the <LAN> connector on the AK-UB300G using a LAN cable (sold separately).
- This unit can be powered using PoE. Use a switching hub with PoE support.
- Use a straight cable (category 5e or higher; up to 100 m (328.0 ft) in length) for the LAN cable (STP).
- 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 AK-UB300G Series Multi-Purpose Camera, some of the unit's button, dial, and other control functions will be limited or disabled. Be sure to refer to the following table.



• The descriptions in this document assume that the system version of the unit is V2.00-00-0.00 or later. Make sure that the system version of the AK-UB300G used in conjunction with the unit is V7.52-000-00.00 or later.



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

Number	Part name	✓: Enabled ×: Disabled	Remarks
	[GAIN] button	1	When this is set to ON, the white balance menu appears on the LCD panel.
	[SHT] button	1	When this is set to ON, the shutter menu appears on the LCD panel.
	[COLOR] button	1	The menus will switch with each press of the button. [COLOR TEMP] > [CHROMA] > [MATRIX] > [SKIN CORRECTION] > menu off (status screen)
Front panel 3	[FILTER] button	1	Only the ND filter can be configured.
	[GAMMA] button	1	
	[FLARE] button	1	
	[KNEE] button	1	
	[DTL] button	/	The menus will switch with each press of the button. [DETAIL] > [SKIN TONE DTL] > [DNR] > menu off (status screen)
Front panel 4	[GAIN], [TEMP], [GAMMA], [SKIN] adjustment block	/	When [GAIN] is lit, "GAIN AWB R" and "GAIN AWB B" are adjusted using the red (R) and blue (B) adjustment dials respectively. When [TEMP] is lit, "COLOR TEMP" is adjusted using the green (G) adjustment dial. [GAMMA] adjustment is disabled. When [SKIN] is lit, "Q PHASE", "I CENTER", and "CRISP" are adjusted using the red (R), green (G), and blue (B) adjustment dials respectively.
	[PED], [FLARE], [B.GAM] adjustment block	1	When [PED] is lit, "PED R" and "PED B" are adjusted using the red (R) and blue (B) adjustment dials respectively. [FLARE] and [B.GAM] adjustments are disabled.

Number	Part name	✓: Enabled ×: Disabled	Remarks
	[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	✓	
Front panel 5	[GAIN] indicator	✓	
	[PED] indicator	✓	
	[SHT] indicator	✓	
	[SYNC] indicator	✓	
	[DISP] button	✓	
	[UP (FREE)] button	✓	
	[DOWN (CHARA)] button	/	
	[LOCK] indicator	✓	
	[SEL] dial	✓	
	Memory card slot	✓	
	Memory card access indicator	✓	
Front panel 6	Camera number/tally display	/	Only camera numbers are displayed, but starting with the following system version, tally (red, green) display will also be possible (only during LAN connection). AK-UB300G: V7.52-000-00.00 This unit: V2.00-00-0.00
	[IRIS RELATIVE] button	✓	
	Torque adjustment screw	/	
	IRIS lever	/	
	Master pedestal dial	/	
	[PREVIEW] button	×	

ROP Menu (when AK-UB300G is connected)

ROP menu list

When an AK-UB300G Multi-Purpose Camera is connected, the ROP menu will be as follows.



• The descriptions in this document assume that the system version of the unit is V2.00-00-0.00 or later. Make sure that the system version of the AK-UB300G used in conjunction with the unit is V7.52-000-00.00 or later.

For details on menu operations, refer to the following sections in the operating instructions.

- "Displaying menus"
- "Basic menu operations"

	MATRIX	→ "MATRIX" (see page 14)	
	LINEAR MATRIX	→ "LINEAR MATRIX" (see page 14)	
	COLOR CORRECT	→ "COLOR CORRECT" (see page 14)	
	SKINDTL	→ "SKIN DTL" (see page 14)	
	DTL	→ "DTL" (see page 14)	
OA DAINT OVALITOU	DNR	→ "DNR" (see page 14)	
01 PAINT SWITCH	D. HAZE CLEAR	→ "D. HAZE CLEAR" (see page 14)	
	DRS	→ "DRS" (see page 14)	
	FLARE	→ "FLARE" (see page 14)	
	GAMMA	→ "GAMMA" (see page 14)	
	BLACK GAMMA	→ "BLACK GAMMA" (see page 14)	
	KNEE	→ "KNEE" (see page 14)	
	SCENE1(push)	→ "SCENE1(push)" (see page 15)	
	SCENE2(push)	⇒ "SCENE2(push)" (see page 15)	
	SCENE3(push)	⇒ "SCENE3(push)" (see page 15)	
	SCENE4(push)	→ "SCENE4(push)" (see page 15)	
02 SCENE	SCENE5(push)	→ "SCENE5(push)" (see page 15)	
	SCENE6(push)	→ "SCENE6(push)" (see page 15)	
	SCENE7(push)	→ "SCENE7(push)" (see page 15)	
	SCENE8(push)	→ "SCENE8(push)" (see page 15)	
	BUTTON SEL MODE	→ "BUTTON SEL MODE" (see page 15)	
	SHUTTER SPEED	⇒ "SHUTTER SPEED" (see page 16)	
03 SHUTTER SPEED	SHUTTER SYNCHRO	→ "SHUTTER SYNCHRO" (see page 16)	
03 SHUTTER SPEED	SHUTTERSW	→ "SHUTTER SW" (see page 16)	
	SHUTTER MODE	→ "SHUTTER MODE" (see page 16)	
04 FILTER	ND	→ "ND" (see page 17)	
	PEDR	→ "PED R" (see page 18)	
05 PEDESTAL	PEDB	→ "PED B" (see page 18)	
	M. PED	→ "M. PED" (see page 18)	
OC CHROMA	CHROMA LEVEL	→ "CHROMA LEVEL" (see page 19)	
06 CHROMA	CHROMA LEVEL SW	→ "CHROMA LEVEL SW" (see page 19)	
OZ DD CAIN	GAIN AWB R	→ "GAIN AWB R" (see page 20)	
07 RB GAIN	GAIN AWB B	→ "GAIN AWB B" (see page 20)	
08 COLOR TEMP	COLORTEMP	→ "COLOR TEMP" (see page 21)	

	FLARE R	→ "FLARE R" (see page 22)	
	FLARE G	→ "FLARE G" (see page 22)	
09 FLARE	FLARE B	→ "FLARE B" (see page 22)	
	M.FLARE	→ "M.FLARE" (see page 22)	
	FLARE	→ "FLARE" (see page 22)	
	GAMMA R	→ "GAMMA R" (see page 23)	
	GAMMA MASTER	→ "GAMMA MASTER" (see page 23)	
	GAMMA B	→ "GAMMA B" (see page 23)	
	GAMMA MODE	→ "GAMMA MODE" (see page 23)	
	BLACK STRETCH	→ "BLACK STRETCH" (see page 23)	
10 GAMMA	DYNAMIC LEVEL	→ "DYNAMIC LEVEL" (see page 23)	
	KNEE POINT	→ "KNEE POINT" (see page 23)	
	KNEE SLOPE	→ "KNEE SLOPE" (see page 23)	
	GAMMA	→ "GAMMA" (see page 23)	
	ABB	→ "ABB" (see page 23)	
	BLACK GAMMA R	→ "BLACK GAMMA R" (see page 24)	
	BLACK GAMMA MASTER	→ "BLACK GAMMA MASTER" (see page 24)	
11 BLACK GAMMA	BLACK GAMMA B	→ "BLACK GAMMA B" (see page 24)	
	B.GAMMA	→ "B.GAMMA" (see page 24)	
	POINT (%) R	→ "POINT (%) R" (see page 25)	
	POINT (%) MASTER	→ "POINT (%) MASTER" (see page 25)	
	POINT (%) B	→ "POINT (%) B" (see page 25)	
	SLOPE R	→ "SLOPE R" (see page 25)	
	SLOPE MASTER	→ "SLOPE MASTER" (see page 25)	
12 KNEE	SLOPE B	→ "SLOPE B" (see page 25)	
	AUTO KNEE POINT %	→ "AUTO KNEE POINT %" (see page 25)	
	AUTO KNEE LEVEL	→ "AUTO KNEE LEVEL" (see page 25)	
	AUTO KNEE RESPONSE	→ "AUTO KNEE RESPONSE" (see page 25)	
	KNEE	→ "KNEE" (see page 25)	
	MASTER DETAIL	→ "MASTER DETAIL" (see page 26)	
	DETAIL LV H	→ "DETAIL LV H" (see page 26)	
	DETAIL LV V	→ "DETAIL LV V" (see page 26)	
	PEAK FRQ	→ "PEAK FRQ" (see page 26)	
	V DETAIL FRQ	→ "V DETAIL FRQ" (see page 26)	
	CRISP	→ "CRISP" (see page 26)	
	LEVEL DEPENDENT	→ "LEVEL DEPENDENT" (see page 26)	
13 DETAIL	DETAIL SOURCE	→ "DETAIL SOURCE" (see page 26)	
	DETAIL GAIN (+)	→ "DETAIL GAIN (+)" (see page 26)	
	DETAIL GAIN (-)	→ "DETAIL GAIN (-)" (see page 26)	
	DETAIL CLIP+	→ "DETAIL CLIP+" (see page 26)	
	DETAIL CLIP-	→ "DETAIL CLIP-" (see page 27)	
	KNEE APERTURE	→ "KNEE APERTURE" (see page 27)	
	DETAIL	→ "DETAIL" (see page 27)	
	LV DPN SW	** "LV DPN SW" (see page 27)	

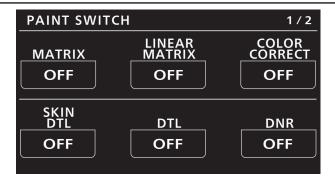
	MEMORY SELECT	→ "MEMORY SELECT" (see page 28)
	CURSOR	→ "CURSOR" (see page 28)
	POSH	→ "POS H" (see page 28)
	POSV	→ "POS V" (see page 28)
	SKINGET	→ "SKIN GET" (see page 28)
	ZEBRA SWITCH	→ "ZEBRA SWITCH" (see page 28)
44 OKINI TONE DTI	ZEBRA EFFECT	→ "ZEBRA EFFECT" (see page 28)
14 SKIN TONE DTL	EFFECT MEMORY	→ "EFFECT MEMORY" (see page 28)
	SKIN TONE CRISP	→ "SKIN TONE CRISP" (see page 28)
	ICENTER	→ "I CENTER" (see page 29)
	I WIDTH	→ "I WIDTH" (see page 29)
	Q WIDTH	→ "Q WIDTH" (see page 29)
	QPHASE	→ "Q PHASE" (see page 29)
	SKIN TONE DETAIL	⇒ "SKIN TONE DETAIL" (see page 29)
	LINEAR TABLE	→ "LINEAR TABLE" (see page 30)
	COLOR CORRECT	→ "COLOR CORRECT" (see page 30)
	MATRIX (R-G) P	→ "MATRIX (R-G) P" (see page 30)
	MATRIX (R-G) N	→ "MATRIX (R-G) N" (see page 30)
	MATRIX (R-B) P	→ "MATRIX (R-B) P" (see page 30)
	MATRIX (R-B) N	→ "MATRIX (R-B) N" (see page 30)
	MATRIX (G-R) P	→ "MATRIX (G-R) P" (see page 30)
	MATRIX (G-R) N	→ "MATRIX (G-R) N" (see page 31)
15 MATRIX	MATRIX (G-B) P	→ "MATRIX (G-B) P" (see page 31)
	MATRIX (G-B) N	→ "MATRIX (G-B) N" (see page 31)
	MATRIX (B-R) P	→ "MATRIX (B-R) P" (see page 31)
	MATRIX (B-R) N	→ "MATRIX (B-R) N" (see page 31)
	MATRIX (B-G) P	→ "MATRIX (B-G) P" (see page 31)
	MATRIX (B-G) N	→ "MATRIX (B-G) N" (see page 31)
	MATRIX	→ "MATRIX" (see page 31)
	COLOR CORRECT	→ "COLOR CORRECT" (see page 31)
	LINEAR MATRIX	→ "LINEAR MATRIX" (see page 31)

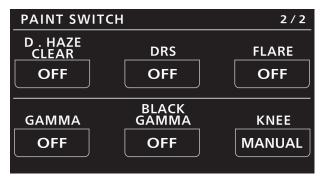
	LINEAR TABLE	→ "LINEAR TABLE" (see page 33)
	COLOR CORRECT	→ "COLOR CORRECT" (see page 33)
	COLOR CORRECT	→ "COLOR CORRECT" (see page 33)
	SAT	⇒ "SAT" (see page 33)
	PHASE	*PHASE" (see page 33)
	SATG	⇒ "SAT G" (see page 33)
	PHASE G	→ "PHASE G" (see page 33)
	SAT CY_G	⇒ "SAT CY_G" (see page 33)
	PHASE CY_G	→ "PHASE CY_G" (see page 33)
	SATCY	⇒ "SAT CY" (see page 33)
	PHASE CY	→ "PHASE CY" (see page 33)
	SATB_CY	⇒ "SAT B_CY" (see page 33)
	PHASE B_CY	→ "PHASE B_CY" (see page 33)
	SATB	→ "SAT B" (see page 33)
	PHASE B	→ "PHASE B" (see page 33)
	SATMG B	→ "SAT MG B" (see page 33)
16 COLOR CORRECTION	PHASE MG_B	PHASE MG_B" (see page 33)
	SATMG	⇒ "SAT MG" (see page 33)
	PHASE MG	PHASE MG" (see page 33)
	SATR_MG	⇒ "SAT R_MG" (see page 33)
	PHASE R_MG	PHASE R_MG" (see page 33)
	SATR	⇒ "SAT R" (see page 34)
	PHASE R	→ "PHASE R" (see page 34)
	SATYL_R	⇒ "SAT YL_R" (see page 34)
	PHASE YL_R	→ "PHASE YL_R" (see page 34)
	SATYL	⇒ "SAT YL" (see page 34)
	PHASE YL	→ "PHASE YL" (see page 34)
	SATG YL	⇒ "SAT G_YL" (see page 34)
	PHASE G_YL	→ "PHASE G_YL" (see page 34)
	MATRIX	→ "MATRIX" (see page 34)
	COLOR CORRECT	
	LINEAR MATRIX	LINEAR MATRIX" (see page 34)
	SKIN AREA HUE	⇒ "SKIN AREA HUE" (see page 35)
	SKIN AREA TONE	⇒ "SKIN AREA TONE" (see page 35)
17 SKIN CORRECTION	SKIN AREA SW	⇒ "SKIN AREA SW" (see page 35)
	SKIN AREA TABLE	*SKIN AREA TABLE" (see page 35)
	DNR LEVEL	→ "DNR LEVEL" (see page 36)
18 DNR	DNR SW	→ "DNR SW" (see page 36)
	LEVEL	→ "LEVEL" (see page 37)
19 HAZE REDUCTION	SW	→ "SW" (see page 37)
	FOCUS MODE	→ "FOCUS MODE" (see page 38)
	FOCUS SPEED	→ "FOCUS SPEED" (see page 38)
	FOCUS	→ "FOCUS" (see page 38)
20 LENS CONTROL	ZOOM WIDE	⇒ "ZOOM WIDE" (see page 38)
	ZOOMSPEED	
	ZOOMTELE	
		, (000 page 00)

	FORMAT CROP OUT	→ "FORMAT" (see page 39)→ "CROP OUT" (see page 39)
	CROP MARKER	→ "CROP MARKER" (see page 39)
	CROP ADJ	→ "CROP ADJ" (see page 39)
	CROP HPOS (%)	→ "CROP H POS (%)" (see page 39)
21 SYSTEM CAM	CROP V POS (%)	→ "CROP V POS (%)" (see page 39)
	GEN LOCK INPUT	→ "GEN LOCK INPUT" (see page 39)
	GEN LOCK COARSE	→ "GEN LOCK COARSE" (see page 39)
	GEN LOCK FINE	→ "GEN LOCK FINE" (see page 39)
	SHOOTING MODE	→ "SHOOTING MODE" (see page 39)
	MENU ON/OFF	→ "MENU ON/OFF" (see page 40)
22 CAMERA MENU CONTROL	CURSOR/PARAMETER	→ "CURSOR/PARAMETER" (see page 40)
	EXECUTE	→ "EXECUTE" (see page 40)
	IRIS LEV MOD	Refer to the following section in the operating instructions.
	M.PED CONT	→ "37 ROP SETTING"
	LOCK SELECT	
	AUTO BUTTON	
	G/MPED VOL	
	FREE+LOCK	
	CAMSEL	
	DTL BUTTON	
	SKINVOL	
	LCD BRIGHT	
	PANEL BRIGHT	
	B.GAMMA VOL	
	BUZZER	
	PERIOD	
	CYCLE	
23 ROP SETTING	STD POSITION M.PED	
	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	
	SYSTEMVERSION	
	SOFT VERSION	
	FPGA VERSION	*CONNECT MODE CAMAR (
24 CONNECT SETTING	CONNECT MODE CAMA	→ "CONNECT MODE CAM1" (see page 42)
2. SOUNDOLOUR OF THE	CONNECT MODE CAM2 to CAM99	→ "CONNECT MODE CAM2 to CAM99" (see page 42)

	IP ADDRESS 1	Refer to the following section in the operating instructions.
	IP ADDRESS 2	*39 ROP IP SETTING"
	IP ADDRESS 3	
	IP ADDRESS 4	
	IP ADDRESS PORT	
	IP ADDRESS UPLOAD	
	SUBNET MASK 1	
25 ROP IP SETTING	SUBNET MASK 2	
	SUBNET MASK 3	
	SUBNET MASK 4	
	SUBNET MASK UPLOAD	
	DEFAULT GATEWAY	
	DEFAULT GATEWAY UPLOAD	
	MAC ADDRESS	
	CAM1 to CAM99 IP ADDRESS	Refer to the following section in the operating instructions.
26 CAMERA IP SETTING	CAM1 to CAM99 PORT	→ "40 CAMERA IP SETTING"
	CAM1 to CAM99 INF UPLOAD	
27 AUTO IRIS SETTING	LEVEL	→ "LEVEL" (see page 44)
	SENSE	Refer to the following section in the operating instructions.
28 IRIS RELATIVE	COARSE	→ "29 IRIS RELATIVE"
	RELATIVE	
	HLG BLACK GAMMA R	→ "HLG BLACK GAMMA R" (see page 46)
	HLG BLACK GAMMA MASTER	→ "HLG BLACK GAMMA MASTER" (see page 46)
	HLG BLACK GAMMA B	→ "HLG BLACK GAMMA B" (see page 46)
	HLG B.GAMMA	→ "HLG B.GAMMA" (see page 46)
	HLG KNEE POINT	→ "HLG KNEE POINT" (see page 46)
	HLG KNEE SLOPE	→ "HLG KNEE SLOPE" (see page 46)
	HLG KNEE SW	→ "HLG KNEE SW" (see page 46)
29 HDR-PAINT	HLG TYPE	→ "HLG TYPE" (see page 46)
	HLG MODE	→ "HLG MODE" (see page 46)
	SDR CNVRT MD	→ "SDR CNVRT MD" (see page 46)
	SHOOTING MODE	→ "SHOOTING MODE" (see page 46)
	DNR LEVEL	→ "DNR LEVEL" (see page 47)
	DNR SW	→ "DNR SW" (see page 47)
	SDR CONVERT GAIN	→ "SDR CONVERT GAIN" (see page 47)
	SDR CONVERT CLIP	→ "SDR CONVERT CLIP" (see page 47)
	SWITCHER IP ADDRESS	Refer to the following section in the "Linking the Unit to the AV-
	SWITCHER UDP PORT	HS6000". → "47 SWITCHER LINK"
	INFO UPLOAD	THE THE PART OF TH
20 CMITCHED LINE	SWITCHERLINK	
30 SWITCHER LINK	TALLY RECEIVE	
	PREVIEW	
	TALLY ACTION MATERIAL	
	TALLY ACTION CAM No.	
	TALLT ACTION CANTO.	Refer to the following section in the Operating Instructions.
	RECEIVE PORT	Refer to the following section in the Operating Instructions.
31 AW CONTROLLER LINK		Refer to the following section in the Operating Instructions. *47 AW CONTROLLER LINK"

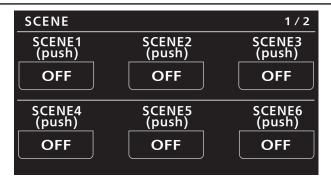
01 PAINT SWITCH

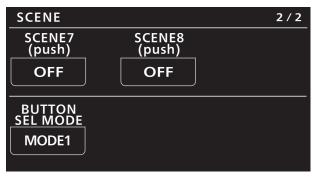




Item	Setting details
MATRIX	Enables/disables the matrix (linear matrix / 12-axis color correction).
LINEAR MATRIX	Enables/disables linear matrix.
COLOR CORRECT	Enables/disables 12-axis color correction.
SKIN DTL	Enables/disables the skin tone detail function.
DTL	Enables/disables the detail.
DNR	Enables/disables the noise reduction function.
D. HAZE CLEAR	Enables/disables the haze elimination function.
DRS	Enables or disables the dynamic range stretcher. [—] is displayed during UHD mode or UHD CROP mode.
FLARE	Enables or disables the flare.
GAMMA	Enables or disables the gamma.
BLACK GAMMA	Enables or disables the black gamma.
	This setting is not available when [DRS] of [PAINT SWITCH] is set to [ON].
KNEE	Enables or disables the knee.

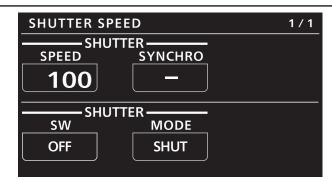
02 SCENE





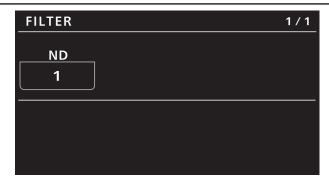
Item	Setting details
SCENE1(push)	Set the scene file to ON/OFF.
SCENE2(push)	When a scene file is set to ON, the other scene files will be set to OFF.
SCENE3(push)	If you reselect a scene file that is set to ON, it will be set to SCENE OFF.
SCENE4(push)	
SCENE5(push)	
SCENE6(push)	
SCENE7(push)	
SCENE8(push)	
BUTTON SEL MODE	Interchanges the function performed when the [FILES] button on the panel is pressed.
	MODE1 (default) Short press: Recall a scene file Long press: Display the menu MODE2 Short press: Display the menu
	Short press: Display the menu Long press: Recall a scene file

03 SHUTTER SPEED



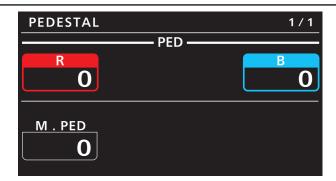
Item	Setting details
SHUTTER SPEED	Sets the shutter speed for when [SHUTTER MODE] is set to [SHUT].
SHUTTER SYNCHRO	The setting cannot be set.
SHUTTER SW	Enables/disables the shutter function.
SHUTTER MODE	Selects the operation mode of the shutter.
	SHUT The shutter speed set in [SHUTTER SPEED] is used.
	SYNC The shutter speed set in [SHUTTER SYNCHRO] is used.

04 FILTER



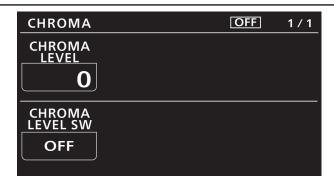
Item	Setting details
ND	Sets the ND filter position.

05 PEDESTAL



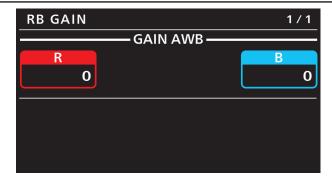
Item	Setting details
PED R	Sets the correction level of red to the master pedestal.
PED B	Sets the correction level of blue to the master pedestal.
M. PED	Adjusts the black level of the master pedestal.

06 CHROMA



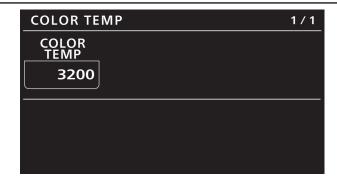
Item	Setting details
CHROMA LEVEL	Adjusts the chroma gain when [CHROMA SW] is set to [ON].
CHROMA LEVEL SW	Enables/disables the gain adjustment of chroma.

07 RB GAIN



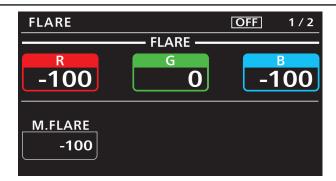
Item	Setting details
GAIN AWB R	Sets the correction level of red to the gain.
GAIN AWB B	Sets the correction level of blue to the gain.

08 COLOR TEMP



Item	Setting details
COLOR TEMP	Sets color temperature settings.

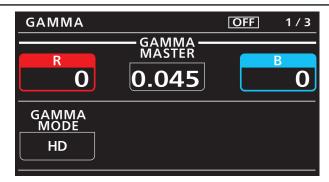
09 FLARE



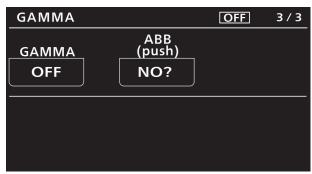


Item	Setting details
FLARE R	Adjusts the Rch flare.
FLARE G	Adjusts the Gch flare.
FLARE B	Adjusts the Bch flare.
M.FLARE	Adjusts the master flare.
FLARE	Enables or disables flare correction.

10 GAMMA

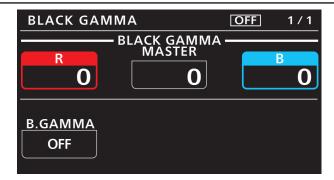






Item	Setting details
GAMMA R	Adjusts the red gamma characteristic for the master gamma.
GAMMA MASTER	Adjusts the gamma characteristic.
GAMMA B	Adjusts the blue gamma characteristic for the master gamma.
GAMMA MODE	Sets the gamma characteristic type.
BLACK STRETCH	Sets the gamma stretch position for when [GAMMA MODE] is set to [FILM REC].
DYNAMIC LEVEL	Sets the dynamic range for when [GAMMA MODE] is set to [FILM REC].
KNEE POINT	Sets the knee point for when [GAMMA MODE] is set to [VIDEO REC].
KNEE SLOPE	Sets the knee slope for when [GAMMA MODE] is set to [VIDEO REC].
GAMMA	Enables or disables gamma correction.
ABB	Select [YES?] to perform auto black balance adjustment. Press and hold the button during black balance adjustment (lamp on) to cancel adjustment. ([BREAK] appears on the picture monitor (PM) of the CCU.)

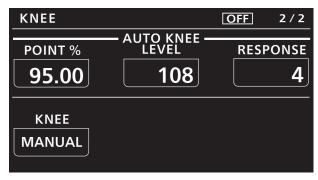
11 BLACK GAMMA



Item	Setting details
BLACK GAMMA R	Adjusts the red gamma characteristic near black for the master gamma.
BLACK GAMMA MASTER	Adjusts the gamma characteristic near black.
BLACK GAMMA B	Adjusts the blue gamma characteristic near black for the master gamma.
B.GAMMA	Enables or disables the black gamma.
	This setting is not available when [DRS] of [PAINT SWITCH] is set to [ON].

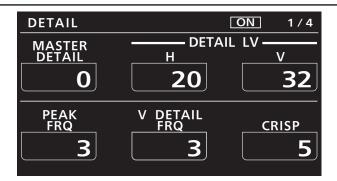
12 KNEE



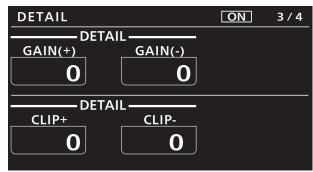


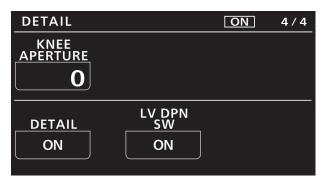
Item	Setting details
POINT (%) R	Adjusts the red knee point for [POINT MASTER].
POINT (%) MASTER	Sets the knee point position.
POINT (%) B	Adjusts the blue knee point for [POINT MASTER].
SLOPE R	Adjusts the red knee slope for [SLOPE MASTER].
SLOPE MASTER	Sets the knee slope.
SLOPE B	Adjusts the blue knee slope for [SLOPE MASTER].
AUTO KNEE POINT %	Sets the bend position for auto knee.
AUTO KNEE LEVEL	Sets the maximum level for auto knee.
AUTO KNEE RESPONSE	Sets the auto knee response speed. Smaller setting values increase the response speed.
KNEE	Enables or disables the knee function.

13 DETAIL





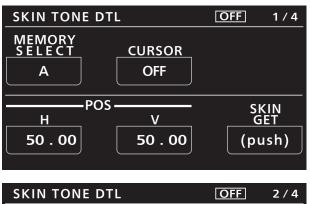




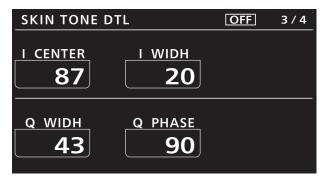
Item	Setting details
MASTER DETAIL	Adjusts the level of master detail.
DETAIL LV H	Adjusts the level of horizontal detail.
DETAIL LV V	Adjusts the level of vertical detail.
PEAK FRQ	Sets the peak frequency of the horizontal detail.
V DETAIL FRQ	Sets the vertical detail frequency.
CRISP	Sets the detail signal noise elimination level.
LEVEL DEPENDENT	Sets the level to eliminate the detail in the dark areas.
DETAIL SOURCE	Selects the source signals for creating the detail components.
DETAIL GAIN (+)	Changes the detail gain level in the + (up) direction.
DETAIL GAIN (-)	Changes the detail gain level in the - (down) direction.
DETAIL CLIP+	Adjust the detail clip to reduce glare produced by an excess of details.

Item	Setting details
DETAIL CLIP-	This limits the length of the undershoot portion of the detail edge component.
KNEE APERTURE	Adjusts the knee aperture level.
DETAIL	Enables/disables all detail functions.
LV DPN SW	Enables/disables the function to remove details of dark areas.

14 SKIN TONE DTL





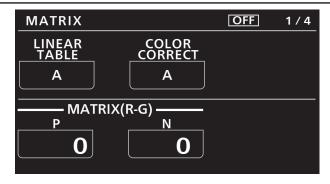


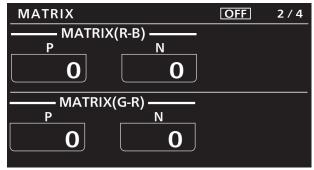


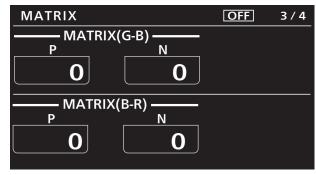
Item	Setting details
MEMORY SELECT	Selects the skin tone table for the subject to apply the skin tone detail to.
CURSOR	Enables/disables the position cursor that obtains the saturation and color phase information for controlling skin tone detail effects.
POS H	Sets horizontal cursor position.
POS V	Sets vertical cursor position.
SKIN GET	Automatically acquire saturation and hue information from the cursor position.
ZEBRA SWITCH	Sets whether to add a zebra pattern to the Y signals of the PM output to make areas subject to skin tone detail effects easily identifiable.
ZEBRA EFFECT	Selects the table of the zebra display.
EFFECT MEMORY	Selects the skin tone table used for applying the skin tone detail.
SKIN TONE CRISP	Adjusts the skin tone detail.

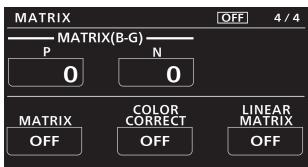
Item	Setting details
I CENTER	Sets the center position (area to which skin tone is applied) on the I axis.
I WIDTH	Sets the width of the area to which skin tone is applied on the I axis using the [I CENTER] setting as the center.
Q WIDTH	Sets the width of the area to which skin tone is applied on the Q axis using the [I CENTER] setting as the center.
Q PHASE	Sets the phase of the area where the skin tone effect is applied, with the Q axis being the reference.
SKIN TONE DETAIL	Enables/disables the skin tone detail function.

15 MATRIX





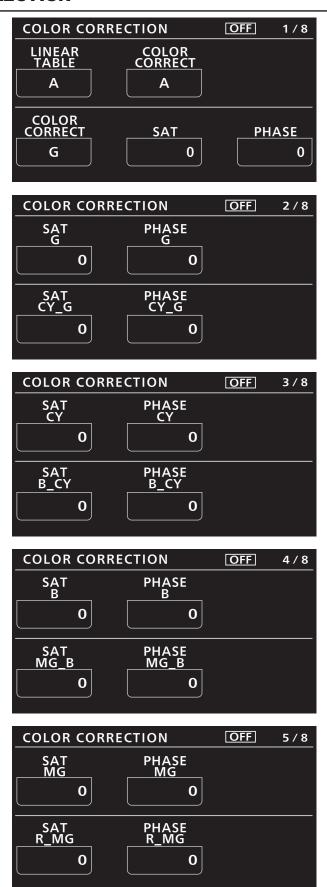


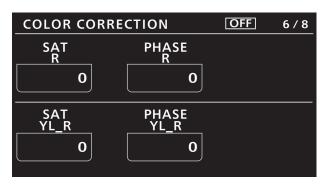


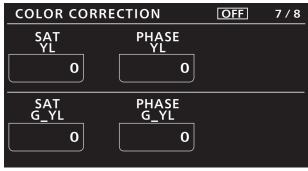
Item	Setting details
LINEAR TABLE	Selects the table for linear matrix.
COLOR CORRECT	Selects the table for color correction.
MATRIX (R-G) P	Adjusts the linear matrix between red and green. Not available when [MATRIX] is set to [OFF].
MATRIX (R-G) N	Adjusts the linear matrix between red and green. Not available when [MATRIX] is set to [OFF].
MATRIX (R-B) P	Adjusts the linear matrix between red and blue. Not available when [MATRIX] is set to [OFF].
MATRIX (R-B) N	Adjusts the linear matrix between red and blue. Not available when [MATRIX] is set to [OFF].
MATRIX (G-R) P	Adjusts the linear matrix between green and red. Not available when [MATRIX] is set to [OFF].

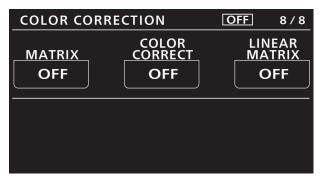
Item	Setting details
MATRIX (G-R) N	Adjusts the linear matrix between green and red. Not available when [MATRIX] is set to [OFF].
MATRIX (G-B) P	Adjusts the linear matrix between green and blue. Not available when [MATRIX] is set to [OFF].
MATRIX (G-B) N	Adjusts the linear matrix between green and blue. Not available when [MATRIX] is set to [OFF].
MATRIX (B-R) P	Adjusts the linear matrix between blue and red. Not available when [MATRIX] is set to [OFF].
MATRIX (B-R) N	Adjusts the linear matrix between blue and red. Not available when [MATRIX] is set to [OFF].
MATRIX (B-G) P	Adjusts the linear matrix between blue and green. Not available when [MATRIX] is set to [OFF].
MATRIX (B-G) N	Adjusts the linear matrix between blue and green. Not available when [MATRIX] is set to [OFF].
MATRIX	Enables/disables the matrix function.
COLOR CORRECT	Enables/disables the 12-axis color correction function.
LINEAR MATRIX	Enables/disables the linear matrix function.

16 COLOR CORRECTION





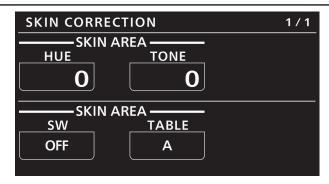




Item	Setting details
LINEAR TABLE	Selects the table for linear matrix.
COLOR CORRECT	Selects the table for color correction.
COLOR CORRECT	Selects the color component in 12-axis matrix memory to adjust.
SAT	Adjusts the saturation of the color component selected in [COLOR CORRECT].
PHASE	Adjusts the hue of the color component selected in [COLOR CORRECT].
SAT G	Adjusts green color saturation.
PHASE G	Adjusts green hue.
SAT CY_G	Adjusts the color saturation between green and cyan.
PHASE CY_G	Adjusts the hue between green and cyan.
SAT CY	Adjusts cyan color saturation.
PHASE CY	Adjusts cyan hue.
SAT B_CY	Adjusts the color saturation between cyan and blue.
PHASE B_CY	Adjusts the hue between cyan and blue.
SAT B	Adjusts blue color saturation.
PHASE B	Adjusts blue hue.
SAT MG_B	Adjusts the color saturation between blue and magenta.
PHASE MG_B	Adjusts the hue between blue and magenta.
SAT MG	Adjusts magenta color saturation.
PHASE MG	Adjusts magenta hue.
SAT R_MG	Adjusts the color saturation between magenta and red.
PHASE R_MG	Adjusts the hue between magenta and red.

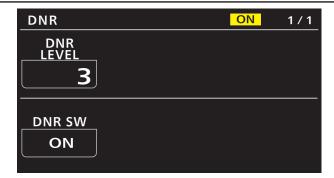
Item	Setting details
SAT R	Adjusts red color saturation.
PHASE R	Adjusts red hue.
SAT YL_R	Adjusts the color saturation between red and yellow.
PHASE YL_R	Adjusts the hue between red and yellow.
SAT YL	Adjusts yellow color saturation.
PHASE YL	Adjusts yellow hue.
SAT G_YL	Adjusts the color saturation between yellow and green.
PHASE G_YL	Adjusts the hue between yellow and green.
MATRIX	Enables/disables the matrix function.
COLOR CORRECT	Enables/disables the 12-axis color correction function.
LINEAR MATRIX	Enables/disables the linear matrix function.

17 SKIN CORRECTION



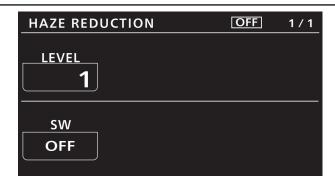
Item	Setting details
SKIN AREA HUE	Finely adjusts the hue of the skin tone area.
SKIN AREA TONE	Finely adjusts the tone of the skin tone area.
SKIN AREA SW	Enables/disables the function to finely adjust the color of the skin tone area.
SKIN AREA TABLE	Selects the table for the skin tone area.

18 DNR



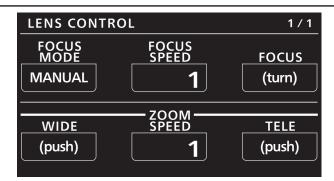
Item	Setting details
DNR LEVEL	Sets the level for the noise reduction. The larger the value, the stronger the noise reduction effect.
DNR SW	Enables/disables the noise reduction function.

19 HAZE REDUCTION



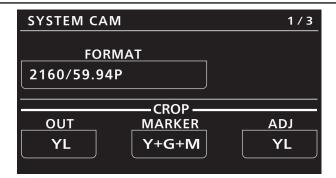
Item	Setting details
LEVEL	Sets the level of the haze elimination. The larger the value, the stronger the haze elimination effect.
sw	Enables/disables the haze elimination function.

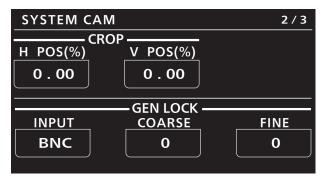
20 LENS CONTROL

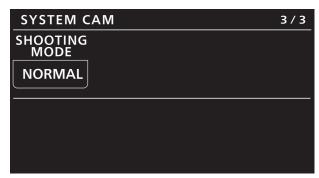


Item	Setting details
FOCUS MODE	Selects auto or manual mode for the focus adjustment function. (This function is only for lenses on which AUTO/MANUAL control is possible. [-] is displayed when such control is not possible.)
FOCUS SPEED	Adjusts the focus operation speed.
FOCUS	Adjusts the lens focus manually.
ZOOM WIDE	Adjusts the lens zoom to wide angle (Wide).
ZOOM SPEED	Adjusts the zoom operation speed.
ZOOM TELE	Adjusts the lens zoom to telephoto (Tele).

21 SYSTEM CAM

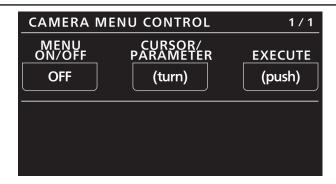






Item	Setting details
FORMAT	Sets the system format.
CROP OUT	Sets the crop output image during cropping.
CROP MARKER	Sets the crop frame to display during cropping.
CROP ADJ	Sets the crop frame to adjust the position during cropping.
CROP H POS (%)	Sets the horizontal position of crop during cropping.
CROP V POS (%)	Sets the vertical position of crop during cropping.
GEN LOCK INPUT	Sets whether the synchronization signal is inputted from BNC or from D-SUB.
GEN LOCK COARSE	Roughly adjusts the phase of horizontal synchronization.
GEN LOCK FINE	Finely adjusts the phase of horizontal synchronization.
SHOOTING MODE	Sets the shooting mode.

22 CAMERA MENU CONTROL



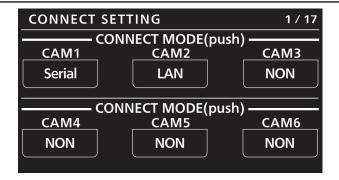
Item	Setting details
MENU ON/OFF	Turns the menu on/off.
CURSOR/PARAMETER	Moves the menu cursor or changes setting values.
EXECUTE	Executes the selected process.

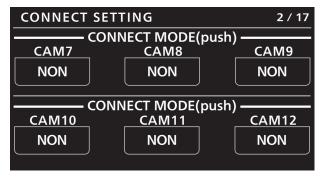
23 ROP SETTING

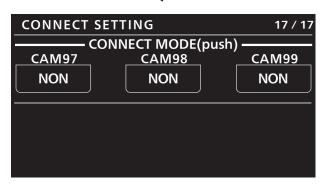
 $For details \, on \, operations \, and \, settings, \, refer \, to \, the \, following \, sections \, in \, the \, Operating \, Instructions.$

→ "37 ROP SETTING"

24 CONNECT SETTING







Item	Setting details
CONNECT MODE CAM1	Sets the connection method for camera 1. Changes to settings are applied by pressing the [MENU] dial. Serial, LAN: Select this when connecting to the AK-UC3000 series or AK-HC5000 series. Serial(AK), LAN(AK): Select this when connecting to the AK-HC3500A series or AK-HC3800 series. Serial(AW), LAN(AW): Select these when connecting the AK-UB300G series. • [Serial], [Serial(AK)], and [Serial(AW)] cannot be set for multiple cameras.
CONNECT MODE CAM2 to CAM99	Sets the connection method for cameras 2 to 99. Changes to settings are applied by pressing the [MENU] dial. Serial, LAN: Select this when connecting to the AK-UC3000 series or AK-HC5000 series. Serial(AK), LAN(AK): Select this when connecting to the AK-HC3500A series or AK-HC3800 series. Serial(AW), LAN(AW): Select these when connecting the AK-UB300G series. • [Serial], [Serial(AK)], and [Serial(AW)] cannot be set for multiple cameras.

NOTE NOTE

- An AK-UB300G with a system version of 07.0A-000-00.00 or later can be connected.
- [Serial(AW)] can be selected if this unit has a system version of 2.00-00-0.00 or later.

25 ROP IP SETTING

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

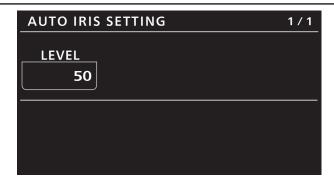
⇒ "39 ROP IP SETTING"

26 CAMERA IP SETTING

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

→ "40 CAMERA IP SETTING"

27 AUTO IRIS SETTING



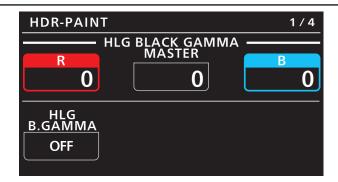
Item	Setting details
LEVEL	Adjusts the auto iris level.

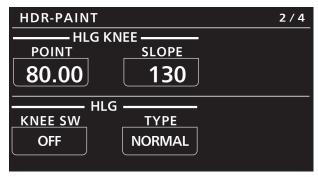
28 IRIS RELATIVE

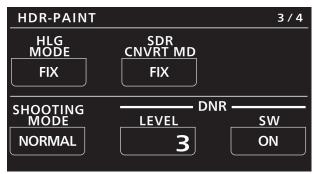
 $For details \, on \, operations \, and \, settings, \, refer \, to \, the \, following \, sections \, in \, the \, Operating \, Instructions.$

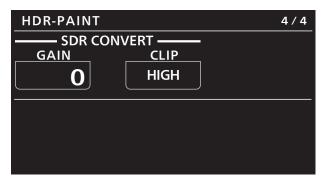
→ "29 IRIS RELATIVE"

29 HDR-PAINT









Item	Setting details
HLG BLACK GAMMA R	Adjusts the red gamma characteristic near black for the master gamma.
HLG BLACK GAMMA MASTER	Adjusts the gamma characteristic near black.
HLG BLACK GAMMA B	Adjusts the blue gamma characteristic near black for the master gamma.
HLG B.GAMMA	Enables or disables the black gamma.
HLG KNEE POINT	Sets the knee point for when [GAMMA MODE] is set to [VIDEO REC].
HLG KNEE SLOPE	Sets the knee slope for when [GAMMA MODE] is set to [VIDEO REC].
HLG KNEE SW	Enables or disables the knee function.
HLG TYPE	Sets the HLG type.
HLG MODE	Sets the HLG mode.
SDR CNVRT MD	Sets the SDR mode.
SHOOTING MODE	Sets the shooting mode.

Item	Setting details
DNR LEVEL	Sets the level for the noise reduction.
DNR SW	Enables/disables the noise reduction function.
SDR CONVERT GAIN	Sets the SDR gain.
SDR CONVERT CLIP	Sets the SDR clip.

30 SWITCHER LINK

For details on operations and settings, refer to the following section in the "Linking the Unit to the AV-HS6000".

→ "47 SWITCHER LINK"

31 AW CONTROLLER LINK

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

→ "47 AW CONTROLLER LINK"