

PRELIMINARY 50 Hz 4/2010

HD Integrated Camera AW-HE50S/H
Compact Live Switcher AW-HS50
Remote Camera Controller AW-RP50

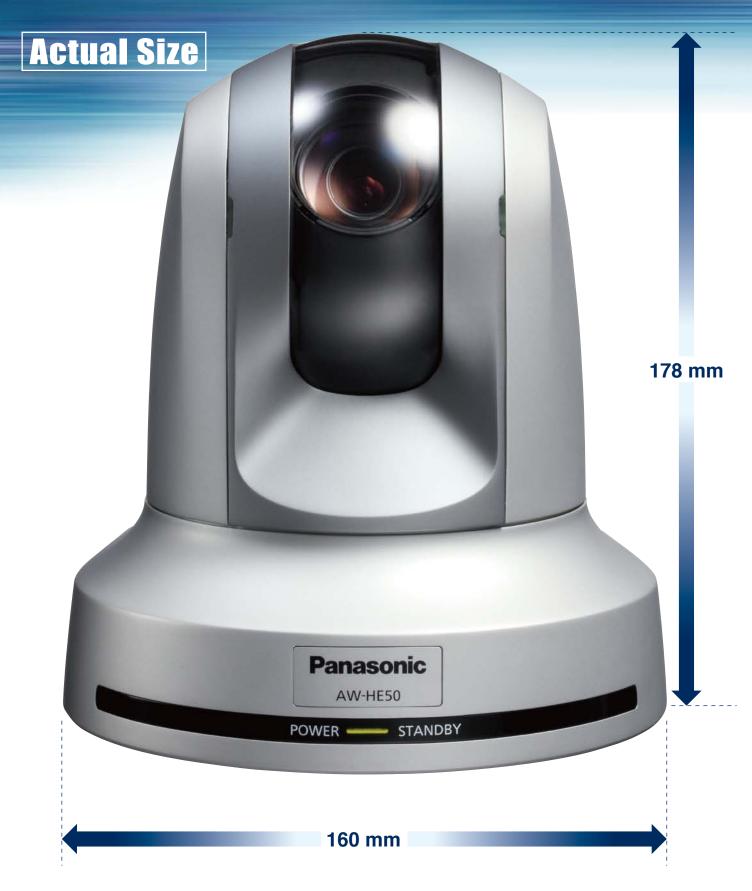


The Compact New 50 Series: Production Quality Video with IP Network Control





AW-HS50



■ Rear AW-HE50S



AW-HE50H



Small and Versatile: 1/3-inch Full-HD MOS **Integrated Pan-Tilt/Cameras** with Production Quality HD/SD Video

HD Integrated Camera

AW-HE50S NEW

HD Integrated Camera AW-HE50H NEW Wireless Remote Controller (option) AW-RM50

Two AA size batteries required (batteries not included)

Multi-interface Cable (option) AW-CA20T6

1080/50i,720/50p 576/50i

● 1/3-inch Full-HD MOS Sensor with 18x HD Optical Zoom & 10x Digital Zoom

Innovative Features Deliver Realistic, **Production Quality HD Video**

Dynamic Range Stretch (DRS)

The gamma curve and knee slope are optimized to match the contrast of each pixel in real time. This increases the dynamic range without affecting the normal pixels.



this blown highlight appears on the blackboard



DRS OFF: With the iris expanded, DRS OFF: With the iris contracted, DRS ON: Both highlights and a blocked shadow appears on the figure



shadows are clearly visible

Hybrid (2D/3D) Noise Reduction

The innovative Hybrid (2D/3D) Noise Reduction function also suppresses afterimages, even in difficult lighting conditions.



Without Noise Reduction Some noise is evident when gain control is turned up



3D Noise Reduction Alone Afterimage and some loss of resolution is seen



The Hybrid (2D/3D) **Noise Reduction** Clearer images in difficult conditions

- Setting camera menus with a PC
 - Camera menus can be set up via a web browser by connecting the AW-HE50S/H to a PC.
 - Configuration window on the web browser



Quick integration, thanks to simple connections, IP control, and included **Turn-lock mount**

Flesh Tone Mode

Flesh Tone Mode produces a more pleasing and realistic picture.



Flesh Tone Mode:OFF



Flesh Tone Mode:ON

 The effectiveness may be affected by liahtina, etc.



Small and Powerful: An Easy-to-Use Camera Controller with Great Features

Remote Camera Controller

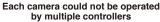
AW-RP50 NEW

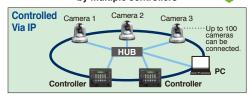


Simple to connect and operate, with both IP and Serial control functions

- Up to a hundred AW-HE50S/H units can be controlled via IP connections when using Ethernet hubs.
- IP addresses are automatically assigned to the AW-HE50S/H or AW-HS50 by the Automatic IP Address Setup function.
- One remote camera can be controlled simultaneously by up to five AW-RP50 units via an IP connection.
 Various settings for the AW-RP50 can be configured with a PC (configuration software supplied).
 - •IP-control performance depends on network conditions.
 - •Video signals cannot be transmitted via IP.

Conventional Camera 1 Camera 1 Camera 2 Camera 3 Camera 2 Camera 3 Camera 4 Controller Controller

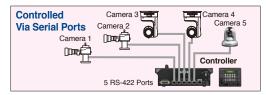


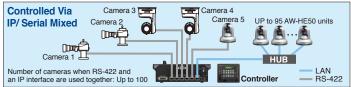


Each camera can be operated by multiple controllers

Serial Control also Supported

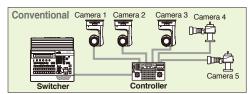
- •Up to 5 existing Panasonic pan-tilt heads*, integrated cameras** and box cameras*** such as the AW-HE50S/H, etc. can be linked using the serial control (RS-422 protocol).
 - * Compatible models: AW-PH405, AW-PH400, AW-PH360, AW-PH650 ** Compatible model: AW-HE100 *** Compatible models: AK-HC1800, AK-HC1500, AW-HE870, AW-E860, AW-E750, AW-E655, AW-E650, AW-E350



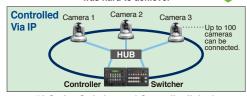


Linking the AW-HS50 to IP control enables highly efficient and stress-free operations

- The camera setting information (such as iris and gain) acquired by the unit is displayed through the AUX output of the switcher or on the split-screen of MultiViewer.
- Acquires the ON AIR tally information of the switcher and lights the tally LED on the panel.
- Bus images can be changed by linking them to the camera selection (control bus targets: AUX, PVW, PinP, KEY-F).
- The switcher's MultiViewer screen can be changed to the camera image full screen with a one-touch button operation.
 *Control bus target: AUX only
- Parameters such as the PinP position of the switcher can be changed with the pan/tilt lever.



Previously, single operator system control was hard to achieve.



50 Series Switcher and Controller linked for streamlined operation.

■ AW-RP50 Main Specifications

Remote Camera	Protocol	IPv4,RS422 (Panasonic AW series protocol)		LAN	10BASE-T/100BASE-TX (for IP control)	RJ45 x 1	
	Connection	Serial : Up to 5 cameras	Interface	TO PAN/TILT HEAD	N/TILT HEAD RS422 (for Serial control)		
		IP: Up to 100 cameras		TALLY/GPI	TALLY INPUT x 5 channels	D-sub 15 pin (female) x 1	
	Adjustment functions	Pan/Tilt (Joystick), Zoom (Seesaw Switch), Focus,			GPI INPUT x 4 channels		
Control		Iris, Gain, Pedestal, Shutter, Detail,White Balance (Auto, Adjust R/B Gain),Black Balance(Auto, Adjust R/B Pedestal),Switch scene files			GPI OUTPUT x 4 channels		
			Operating Temprature	0 °C to 40 °C			
			Operating Humidity	10 % to 90 % (no condensation)			
	Connection	IP: 1	Power Supply	DC12 V ±10 %, 0.5 A [TBD] DC IN x 1			
Switcher	Supported Switcher	AW-HS50	Dimensions (WxHxD)	210 mm x 65 mm x 177 mm [TBD] (excluding protrusions)			
Control	Linkage	Camera Send, Tally Receive, Switcher BUS selection	Weight	Approx. 1.1 kg [TBD] (without options)			
		Pan/Tilt (Joystick)(PinP positioning etc)	Standard Accessories	AC Adaptor, Power Cable			
Do some to see the first and AO admits and a some shift							

Be sure to use the included AC adaptor and power cable

177 mm



Full rack size with the AW-RP50 and AV





V-HS50 positioned alongside each other



210 mm



Small and Professional: A High-Performance HD/SD Live Switcher with Built-in MultiViewer

Compact Live Switcher

AW-HS50 NEW



5 inputs and 3 outputs

 Standard features include 5 inputs (4 HD/SD-SDI, 1 DVI-D) and 3 outputs (2 HD/SD-SDI, 1 DVI-D). H D 1080/59.94i,1080/50i, 1080/23.98PsF,1080/24PsF 720/59.94p,720/50p

S D 480/59.94i,576/50i

MultiViewer display functionality comes installed as standard

The built-in MultiViewer can display up to ten image windows at one time on a single monitor, including program, preview, inputs, and more!













Audio Level Meter Display Function

• Embedded audio levels of SDI inputs can be displayed. (1 ch, 2 ch)

Bus Transition Functions

Cut and Mix transitions are available through AUX bus and PinP bus.

Frame Synchronizers on All Inputs

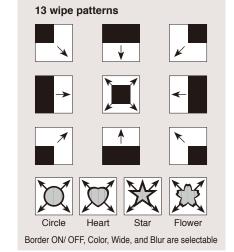
 Frame Synchronizer is embedded in all inputs. This enables asynchronous video signals to be switched without glitches. (SDI-IN1 to 4 10 bit, DVI-IN 8 bit)

More Powerful Features

- 2 Switchable Up-converters. (SDI-IN3,IN4)
- Color Correction on SDI Inputs (SDI-IN1 to 4) for convenient matching of video sources.
- Dot-by-Dot feature on 4 inputs (SDI-IN1 to 4) enables insertion of SD images into HD frames with virtually no image distortion.
- 13 wipe patterns, plus PinP, Chroma/Linear Key, Aux Bus.



Audio Level Meter





177 mm

■AW-HE50 Main Specifications

-AW-III	Loo Maiii C	pecifications					
		AW-HE50S (SDI Model)	AW-HE50H (HDMI Model)				
Image Elements		1/3-inch Full-HD MOS					
Lens		18x HD Zoom Lens F1.6 to 2.8 (f=4.7 to 84.6 mm,35 mm conversion: 36.9 mm to 664.5 mm)					
Focus		Auto/Manual switchable					
Horizontal Resolution		850 TV Lines (Center)					
Minimum Illumination		3 x (50 IRE, F1.6, +36 dB)					
S/N		54 dB					
Gain Select	ian	0,3,6,9,12,15,18 dB/AGC					
Gain Select	.1011	0 dB,6 dB,12 dB,18 dB (Integral mode)					
Shutter Spe	and	Step 1/100,1/250,1/500,1/1000,1/2000,1/4000,1/10000					
Shutter Spe	eu	Syncro-scan 60.24 Hz to 646.21 Hz					
Gamma		OFF,Low,Mid,High,Cinema					
White Balance		AWB A,AWB B,ATW					
Variable Chroma Levels		7 levels					
Scene Files		Full-Auto,Manual					
Color Bar		Full-Bar					
Output Format		HD: 1080/50i, 720/50p SD: 576/50i					
Video Output		HD/SD-SDI	HDHDMI				
		HD/SD analog component*	HD/SD analog component*				
		Composite*	Composite*				
Interface	LAN	10BASE-T/100	DBASE-TX, IPv4 RJ45 x 1				
	RS-422	AW-series protocol, plus selected third-party support*					
Synchronization System		Internal/External synchronization (BBS)	Internal synchronization				
Rotation Range		Pan: -175 to +175 degrees, Tilt: -30 to +90 degrees					
Rotation Speed		Over 90 °/s (at maximum)					
Noise		NC35 (Moving normaly), NC40 (When Preset recalled)					
Stopping Accuracy		PAN/Tilt ±0.3 °					
Power Supply		DC12 V ±10 %, 1.3 A	DC12 V ±10 %, 1.2 A				
Operating Temperature		0 °C to +40 °C					
Operating humidity		20 % to 90 % (no condensation)					
Dimensions (WxHxD)		160 mm x 178 mm x 166 mm [TBD] (excluding the cable cover and mounting brackets)					
Weight		Approx. 1.4 kg					
Standard Accessories		Mounting Bracket (for table or ceiling), Mounting Bracket (for main unit), Mounting Screws, AC Adaptor, Power Cable, Cable Cover					
		• Do some to use the included AO adoption and account self-	*D				

•Be sure to use the included AC adaptor and power cable

*Breakout cable required

MAN HEED Main Chasifications

Micro Mic	
Video Format Tansition Type Cut, Mix, Wipe (including DVE)	
Video Processing WE I M/E I M/E Standard: 4 SDI inputs (SDI-IN 1 to 4) Standard: 1 DVI-D input (DVI-IN) Standard: 1 DVI-D input (DVI-IN) Video Input Video Input Video Input Video Input Video Input Video Output Video Output Video Output Video Porcessing Frame Memory I DSDI-IN 1 to 4 DVI-IN (DVI-IN) Video Input (SDI-IN 1 to 4) Standard: 2 SDI outputs (SDI-OUT 1 to 2 each, 2 output distribution for SDI-OUT1) Standard: 1 DVI-D output (DVI-OUT) XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WSXGA+ (1680 x 1050), UXGA (1020 x 768), SXGA (1280 x 1024), WSXGA+ (1680 x 1050), UXGA (1000 x 1200), WUXGA (1920 x 768), SXGA (1280 x 1024), WSXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz 1080/50p, 1080/59.94p 2 channels The image data in the Frame Memory is stored even when the power is off. Video processing for the Frame Memory is 8-bit. OSD, Frames, Labels, Tally indications, camera setting information, and Audio Level Meters for MultiViewer are not stored in the Frame Memory. Memory Function We Reset, Pinp Preset Effect Dissolve Function LAN 10BASE-T/100BASE-T/X (for IP control) RJ45 x 1 Number of Keys Key Type Linear key, Luminance key, Chroma I Transition Type Mix Number of PinP Transition Type Mi	
M/E 1 M/E 1 M/E 1 M/E Standard: 4 SDI inputs (SDI-IN 1 to 4) Standard: 4 SDI inputs (SDI-IN 1 to 4) Standard: 1 DVI-D input (DVI-IN) XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WXXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz 1 Transition Type Mix Mumber of PinP 1 Transition Type Mix SUB-INI to 4, DVI-IN, CBGD, BLACK, PEMPL, PEMPL, PGM, PVW, KOUT, CLN, MV Selectable Materials SDI-INI to 4, DVI-IN, CBGD, BLACK, PEMPL, PEMPL, PGM, PVW, KOUT, CLN, MV SUB-INI to 4, DVI-IN (DVI-IN is alwa) Frame Synchronizer SDI-INI to 4, DVI-IN (DVI-IN is alwa) Frame Synchronizer SDI-INI to 4, DVI-IN (DVI-IN is alwa) Frame Synchronizer SDI-INI to 4, DVI-IN (DVI-IN is alwa) Frame Synchronizer SDI-INI to 4, DVI-IN (DVI-IN is alwa) Frame Synchronizer SDI-INI to 4, DVI-IN (DVI-IN is alwa) Frame Synchronizer SDI-INI to 4, DVI-IN (DVI-IN is alwa) Frame Synchronizer SDI-INI to 4, DVI-IN (DVI-IN is alwa) Frame Synchronizer SDI-INI to 4, DVI-IN (DVI-IN is alwa) Frame Synchronizer SDI-INI to 4, DVI-IN (DVI-IN is alwa) Frame Synchronizer SDI-INI to 4, DVI-IN (DVI-IN is alwa) Frame Synchronizer SDI-INI to 4, DVI-IN (DVI-IN is alwa) Frame Synchronizer SDI-INI to 4, DVI-IN (DVI-IN is alwa) Frame Synchronizer SDI-INI to 4, DVI-IN (DVI-IN is alwa) Frame Synchronizer SDI-INI to 4, DVI-IN (DVI-IN is alwa) Frame Synchronizer SDI-INI to 4, DVI-IN (DVI-IN is alwa) Transition Type Mix	2
M/E I M/E Standard: 4 SDI inputs (SDI-IN 1 to 4) Standard: 1 DVI-D input (DVI-IN) Video Input N/GA (1024 x 768), W/GA (1280 x 1024), WSXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Standard: 1 DVI-D output (DVI-OUT) XGA (1024 x 768), WXGA (1280 x 1024), WSXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz 1080/50p, 1080/59.94p Video Output Video Output Video Output Video Processing SDI-IN1 to 4, DVI-IN (DVI-IN is alway 1080/50p, 1080/59.94p 2 channels The image data in the Frame Memory is stored even when the power is off. Video processing for the Frame Memory is 8-bit. OSD, Frames, Labels, Tally indications, camera setting information, and Audio Level Meters for MultiViewer are not stored in the Frame Memory. Memory Function Wipe Reset, PinP Preset Effect Dissolve Function LAN 108ASE-T/100BASE-TX (for IP control) REVEN TRANSITION Type Mix Number of PinP 1 Transition Type Mix Number of AUX BUS Selectable Materials Transition Type Mix Number of PinP 1 Transition Type Mix Number of PinP 1 Transition Type Mix Number of AUX BUS 1 AUX BUS Selectable Materials Selectable Materials Selectable Materials Selectable Materials Selectable Materials The imaterion Type Mix Number of AUX BUS 1 Number of PinP 1 Transition Type Mix Number of PinP 1 Transition Type Mix Number of AUX BUS 1 Number of AUX BUS Selectable Materials Selectable Materials Selectable Materials Number of AUX BUS Selectable Materials Select	
Standard: 4 SDI inputs (SDI-IN 1 to 4) Standard: 1 DVI-D input (DVI-IN) XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WSXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz 1080/50p, 1080/59.94p Video Output Video Output Video Output Video Transition Type BuS Transition Type (Mix) Sclectable Materials SDI-IN1 to 4, DVI-IN, CBGD, BLACK, FEMEM1, FMEM2, PGM, PVW, KOUT, CLN, MV BUS Transition Ves (Mix) Selectable Materials SDI-IN1 to 4, DVI-IN, CBGD, BLACK, FGM, PVW, KOUT, CLN, MV BUS Transition Ves (Mix) Standard: 1 DVI-D output (DVI-OUT) Standard: 1 DVI-D output (DVI-OUT) XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WSXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz 1080/50p, 1080/59.94p 2 channels The image data in the Frame Memory is stored even when the power is off. Video processing for the Frame Memory is 8-bit. OSD, Frames, Labels, Tally indications, camera setting information, and Audio Level Meters for MultiViewer are not stored in the Frame Memory. Memory Function Memory Function Memory Function Audio Level Meters for MultiViewer are not stored in the Frame Memory. Wipe Reset, PinP Preset Effect Dissolve Function RMSGA (1280 x 1024), WSXGA+ (1680 x 1050), UXGA (1680 x 1200), WUXGA (1920 x 768), SXGA (1280 x 1024), WSXGA+ (1680 x 1050), UXGA (1680 x 1024), WSXGA+ (1680 x 1050), UXGA	ey
Standard: 1 DVI-D input (DVI-IN) XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WSXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz 1080/50p, 1080/59.94p Standard: 2 SDI outputs (SDI-OUT1 to 2 each, 2 output distribution for SDI-OUT1) Standard: 1 DVI-D output (DVI-OUT) SXGA (1280 x 1024), WSXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1680 x 1050), UXGA (1600 x 1200), WUXGA (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz 1080/50p, 1080/59.94p 2 channels The image data in the Frame Memory is stored even when the power is off. Video processing for the Frame Memory is stored even when the power is off. Video processing for the Frame Memory is stored in the Frame Memory. Memory Function Mipe Reset, PinP Preset Effect Dissolve Function LAN	
Video Input XGA (1024 x 768), WXGA (1280 x 768),	
Video Input SXGA (1280 x 1024), WSXGA+ (1680 x 1050),	
UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz 1080/50p, 1080/59.94p Standard: 2 SDI outputs (SDI-OUT1 to 2 each, 2 output distribution for SDI-OUT1) Standard: 1 DVI-D output (DVI-OUT) XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WSXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz 1080/50p, 1080/59.94p 2 channels The image data in the Frame Memory is stored even when the power is off. Video processing for the Frame Memory is 8-bit. OSD, Frames, Labels, Tally indications, camera setting information, and Audio Level Meters for MultiViewer are not stored in the Frame Memory. Memory Function Wipe Reset, PinP Preset Effect Dissolve Function LAN 108ASE-TX (for IP control) RJ45 x 1 AUX BUS Selectable Materials Selectable Mex	
Vertical frequency: 60 Hz 1080/50p, 1080/59.94p Standard: 2 SDI outputs (SDI-OUT1 to 2 each, 2 output distribution for SDI-OUT1) Standard: 1 DVI-D output (DVI-OUT) XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WSXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz 1080/50p, 1080/59.94p 2 channels The image data in the Frame Memory is stored even when the power is off. Video processing for the Frame Memory is 8-bit. OSD, Frames, Labels, Tally indications, camera setting information, and Audio Level Meters for MultiViewer are not stored in the Frame Memory. Memory Function Wipe Reset, PinP Preset Effect Dissolve Function LAN 1080/50p, 1080/59.94p LAN 1080/50p, 1080/59.94p 2 channels The image data in the Frame Memory is stored even when the power is off. Video processing for the Frame Memory is 8-bit. OSD, Frames, Labels, Tally indications, camera setting information, and Audio Level Meters for MultiViewer are not stored in the Frame Memory. Wipe Reset, PinP Preset Effect Dissolve Function LAN 1080/50p, 1080/59.94p 2 channels The image data in the Frame Memory is 8-bit. OSD, Frames, Labels, Tally indications, camera setting information, and Audio Level Meters for MultiViewer are not stored in the Frame Memory. Wipe Reset, PinP Preset Effect Dissolve Function LAN 1080/50p, 1080/59.94p 2 channels The image data in the Frame Memory is 8-bit. OSD Wuttiviewer MultiViewer MultiViewer Spi-IN1 to 4, DVI-IN (DVI-IN is alway) Frame Sp	
Standard: 2 SDI outputs (SDI-OUT1 to 2 each, 2 output distribution for SDI-OUT1) Standard: 1 DVI-D output (DVI-OUT) XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WSXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz 1080/50p, 1080/59.94p 2 channels The image data in the Frame Memory is stored even when the power is off. Video processing for the Frame Memory is 8-bit. OSD, Frames, Labels, Tally indications, camera setting information, and Audio Level Meters for MultiViewer are not stored in the Frame Memory. Memory Function Wipe Reset, PinP Preset Effect Dissolve Function LAN 108ASE-TY(108ASE-TX (for IP control)) RJ45 x 1 SBUS Transition Frame Synchronizer Input Freeze SDI-IN1 to 4, DVI-IN (DVI-IN is alway) Freeze SDI-IN1 to 4, DVI-IN (DVI-IN is alway) Freeze SDI-IN1 to 4 Video Processing Up-converter SDI-IN1 to 4 Video Pro	
Standard: 2 SDI outputs Standard: 2 SDI output distribution for SDI-OUT1	
SDI-OUT1 to 2 each, 2 output distribution for SDI-OUT1) Standard: 1 DVI-D output (DVI-OUT) XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WSXGA+ (1880 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz 1080/50p, 1080/59.94p 2 channels The image data in the Frame Memory is stored even when the power is off. Video processing for the Frame Memory is 8-bit. OSD, Frames, Labels, Tally indications, camera setting information, and Audio Level Meters for MultiViewer are not stored in the Frame Memory. Memory Function Wipe Reset, PinP Preset Effect Dissolve Function LAN 108ASE-TX (for IP control) RJ45 x 1 Industrians Depth 15 pin CRILINITIA Separates Depth 15 pin CRILINITIA Separates Depth 15 pin Standard: 1 DVI-D output (DVI-OUT) (Mix) Frame Synchronizer SDI-IN1 to 4, DVI-IN (DVI-IN is alway Freeze SDI-IN1 to 4, DVI-IN (DVI-IN is alway Freeze SDI-IN1 to 4	
Standard: 1 DVI-D output (DVI-OUT) XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WSXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz 1080/50p, 1080/59.94p 2 channels The image data in the Frame Memory is stored even when the power is off. Video processing for the Frame Memory is 8-bit. OSD, Frames, Labels, Tally indications, camera setting information, and Audio Level Meters for MultiViewer are not stored in the Frame Memory. Memory Function Wipe Reset, PinP Preset Effect Dissolve Function LAN 108ASE-T7/100BASE-TX (for IP control) RJ45 x 1 Input Frame Synchronizer Frame Synchronizer SDI-IN1 to 4, DVI-IN (DVI-IN is alway) Freeze SDI-IN1 to 4, DVI-IN (DVI-IN is alway) Input Freeze SDI-IN1 to 4, DVI-IN (DVI-IN is alway) Input Freeze SDI-IN1 to 4, DVI-IN (DVI-IN is alway) Input Freeze SDI-IN1 to 4, DVI-IN (DVI-IN is alway) Input Freeze SDI-IN1 to 4, DVI-IN (DVI-IN is alway) Input Freeze SDI-IN1 to 4, DVI-IN (DVI-IN is alway) Input Freeze SDI-IN1 to 4, DVI-IN (DVI-IN is alway) Input Freeze SDI-IN1 to 4, DVI-IN (DVI-IN is alway) Input Freeze SDI-IN1 to 4, DVI-IN (DVI-IN is alway) Input Freeze SDI-IN1 to 4, DVI-IN (DVI-IN is alway) Input Freeze SDI-IN1 to 4, DVI-IN (DVI-IN is alway) Input Freeze SDI-IN1 to 4, DVI-IN (DVI-IN is alway) Input Freeze SDI-IN1 to 4, DVI-IN (DVI-IN is alway) Inpu	
Video Output XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WSXGA+ (1680 x 1050), UXGA (1680 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz 1080/50p, 1080/59.94p 2 channels The image data in the Frame Memory is stored even when the power is off. Video processing for the Frame Memory is 8-bit. OSD, Frames, Labels, Tally indications, camera setting information, and Audio Level Meters for MultiViewer are not stored in the Frame Memory. Memory Function Wipe Reset, PinP Preset Effect Dissolve Function LAN 10BASE-T/10BAS	
SXGA (1280 x 1024), WSXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz 1080/50p, 1080/59.94p 2 channels The image data in the Frame Memory is stored even when the power is off. Video processing or the Frame Memory is 8-bit. OSD, Frames, Labels, Tally indications, camera setting information, and Audio Level Meters for MultiViewer are not stored in the Frame Memory. Memory Function Wipe Reset, PinP Preset Effect Dissolve Function LAN 108ASE-T/100BASE-TX (for IP control) RJ45 x 1 Death 15 pin Death 15 pin Dot by Dot SDI-IN1 to 4 Video Processing SDI-IN1 to 4	s-on)
UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz 1080/50p, 1080/59,94p 2 channels The image data in the Frame Memory is stored even when the power is off. Video processing for the Frame Memory is 8-bit. OSD, Frames, Labels, Tally indications, camera setting information, and Audio Level Meters for MultiViewer are not stored in the Frame Memory. Wipe Reset, PinP Preset Effect Dissolve Function LAN 108ASE-T/108ASE-T/X (for IP control) LAN 10BASE-T/108ASE-T/X (for IP control) Power 15 pin Video Processing SDI-IN1 to 4 Up-converter SDI-IN3, IN4 Single Screen Display Labels, Tally indication, Split-screen (the be split into 4, 5a/5b, 6a/6b, 9 and 10a MV frames, Labels, Tally indications, camera setting information, and Audio I are not shown on SDI-OUT1. Function OSD OSD OSD Video Processing SDI-IN1 to 4 Up-converter SDI-IN3, IN4 Single Screen Display Labels, Tally indication, Split-screen (the be split into 4, 5a/5b, 6a/6b, 9 and 10a MV frames, Labels, Tally indication, split-screen (the be split into 4, 5a/5b, 6a/6b, 9 and 10a MV frames, Labels, Tally indications, camera setting information, and Audio I are not shown on SDI-OUT1. Single Screen Display SDI-OUT2, DVI-OUT (unshown on SI OSD The MultiViewer frames are cleared when the power is a split of the processing Up-converter SDI-IN3, IN4 Single Screen Display Labels, Tally indication, Split-screen (the be split into 4, 5a/5b, 6a/6b, 9 and 10a MV frames, Labels, Tally indications, camera setting information, and Audio I are not shown on SDI-OUT1. Single Screen Display SDI-OUT2, DVI-OUT (unshown on SI OSD The MultiViewer frames are cleared when the power is a split of the processing unit of the procesing unit of the processing unit of the processing unit of the pro	
Vertical frequency: 60 Hz 1080/50p, 1080/59,94p 2 channels The image data in the Frame Memory is stored even when the power is off. Video processing for the Frame Memory is 8-bit. OSD, Frames, Labels, Tally indications, camera setting information, and Audio Level Meters for MultiViewer are not stored in the Frame Memory. Wipe Reset, PinP Preset Effect Dissolve Function LAN 10BASE-T7/100BASE	
Training data in the Frame Memory is stored even when the power is off. Video processing for the Frame Memory is 8-bit. OSD, Frames, Labels, Tally indications, camera setting information, and Audio Level Meters for MultiViewer are not stored in the Frame Memory. Wipe Reset, PinP Preset Effect Dissolve Function LAN 10BASE-T7/100BASE-TX (for IP control) ACRILINATION CRITICAL Separates Part of CRILINATION CRITICAL Separates Single Screen Display Labels, Tally indications, Split-screen (the be split into 4, 5a/5b, 6a/6b, 9 and 10a MV frames, Labels, Tally indications, camera setting information, and Audio I are not shown on SDI-OUT1. Function Single Screen Display Output Function OSD OSD The MultiViewer frames are cleared When the best price of Display Soll-OUT2, DVI-OUT (unshown on SDI-OUT2, DVI-OUT) The MultiViewer frames are cleared When the best price of Display Single Screen Display Single Screen Display Soll-OUT2, DVI-OUT (unshown on SDI-OUT3) The MultiViewer frames are cleared	
2 channels The image data in the Frame Memory is stored even when the power is off. Video processing for the Frame Memory is 8-bit. OSD, Frames, Labels, Tally indications, camera setting information, and Audio Level Meters for MultiViewer are not stored in the Frame Memory. Memory Function Wipe Reset, PinP Preset Effect Dissolve Function LAN 10BASE-T7100BASE-T710BASE-T	
The image data in the Frame Memory is stored even when the power is off. Video processing for the Frame Memory is 8-bit. OSD, Frames, Labels, Tally indications, camera setting information, and Audio Level Meters for MultiViewer are not stored in the Frame Memory. Memory Function Wipe Reset, PinP Preset Effect Dissolve Function LAN 10BASE-T/100BASE-TX (for IP control) RJ45 x 1 DSUB 15 pin MultiViewer MultiView	
Frame Memory Video processing for the Frame Memory is 8-bit. OSD, Frames, Labels, Tally indications, camera setting information, and Audio Level Meters for MultiViewer are not stored in the Frame Memory. Memory Function Wipe Reset, PinP Preset Effect Dissolve Function LAN 10BASE-T/100BASE-TX (for IP control) RJ45 x 1 OSD MultiViewer MultiViewer MultiViewer MultiViewer MultiViewer MultiViewer MultiViewer MultiViewer MultiViewer Mouth Are not shown on SDI-OUT1. Single Screen Display SDI-OUT2,DVI-OUT (unshown on SI The MultiViewer frames are cleared	screen may
Frame Memory Video processing for the Frame Memory is 8-bit. OSD, Frames, Labels, Tally indications, camera setting information, and Audio Level Meters for MultiViewer are not stored in the Frame Memory. Memory Function Wipe Reset, PinP Preset Effect Dissolve Function LAN 10BASE-T/100BASE-T/	10b sections)
Audio Level Meters for MultiViewer are not stored in the Frame Memory. Memory Function Wipe Reset, PinP Preset Effect Dissolve Function LAN 10BASE-TX (for IP control) RJ45 x 1 OSD The MultiViewer frames are cleared OSD The MultiViewer frame Memory. OSD The MultiViewer frames are cleared OSD The MultiViewer frame Memory. OSD The MultiViewer frame	
Memory Function Wipe Reset, PinP Preset Effect Dissolve Function LAN 10BASE-T7 (10BASE-T7 (for IP control)) RJ45 x 1 OSD The MultiViewer frames are cleared Application of the present of the prese	evel Meters
Memory Function Effect Dissolve Function LAN 10BASE-T/100BASE-TX (for IP control) RJ45 x 1 OSD The MultiViewer frames are cleared when the perfore between the OSD	
LAN 10BASE-TX (for IP control) RJ45 x 1 Interface CPL INPLITY 5 channels CPL INPLITY 5 channels CPL INPLITY 5 channels CPL INPLITY 6 channels CPL INPLITY 6 channels	
Interface CPLINDLITy 5 channels Deuth 15 pin	I-OUT1)
Interface TALLY/GPI GPI INPUT x 5 channels D-sub 15 pin when the borders between the OSD	
GPI OUTPUT x 7 channels (female) x 1 and the split-screen of MultiViewer cr	oss.
Power Supply DC12 V ±10 %, 2.5 A [TBD] Audio Level Meter SDI embedded audio 1 ch, 2 ch	
Operating Temperature 0 °C to +40 °C	
Operating Humidity 10 % to 90 % (no condensation)	
Dimensions (WxHxD) 210 mm x 65 mm x 177 mm [TBD] (excluding protrusions)	
Weight Approx. 1.4 kg [TBD] (without options)	
Standard Accessories AC Adaptor, Power Cable	

- Be sure to use the included AC adaptor and power cable
- ◆Specifications and functions are subject to change without notice.

 ◆The image on the screen is a composite image. ◆Composite images, photographs, and illustrations are included for reference use only.



Argentina Australia Austria Bahrain	+54 1 308 1610 +61 2 9986 7400 +49 (0)611 235 401 +973 252292
Belgium	+32 (0)2 481 04 57
Bulgaria	+359 2 946 0786
Brazil	+55 11 3889 4035
Canada	+1 905 624 5010
China	+86 10 6515 8828
(Hong Kong	+852 2313 0888)
Czech Republic	+420 236 032 552/511
Denmark	+45 43 20 08 57
Egypt	+20 2 23938151
Finland, Latvia, I	_ithuania, Estonia
	+358 (9)521 52 53
France	+33 (0)1 49 46 43 59
Germany	+49 (0)611 235 401
Greece	+30 210 96 92 300
Hungary	+36 (1)382 60 60
Indonesia	+62 21 385 9449
Iran	+98 212 2271463

[Countries and Regions]

Italy	+39 02 67 88 449	Russia & CIS	+7 495 980 42 06
Jordan	+962 585 9801	Saudi Arabia	+966 1 465 0709
Kazakhstan	+7 3272 980 891	Singapore	+65 6270 0110
Korea	+82 2 2106 6666	Slovak Republic	+421 (0)2 52 92 14 23
Kuwait	+965 481 2123	Slovenia, Croatia	, Bosnia, Macedonia
Lebanon	+961 1 216827		+44 (0)20 76 63 36 57
Malaysia	+60 3 5549 5422	South Africa	+27 11 313 1400
Mexico	+52 5 488 1000	Spain	+34 (93) 425 93 00
Montenegro, Serbia		Sweden	+46 (8) 680 26 41
	+41 (0)26 466 25 20	Switzerland	+41 (0)41 259 96 32
Netherlands	+31 73 64 02 577	Taiwan	+886 2 2227 6100
New Zealand	+64 9 272 0100	Thailand	+66 2 731 8888
Norway	+47 67 91 78 00	Turkey	+90 216 578 3700
Pakistan	+92 5370320 21	U.A.E.	+971 4 282201
Panama	+507 229 2955	Ukraine	+380 44 4903437
Peru	+51 145 29470		+380 44 4903438
Philippines	+63 2 633 6162		[ext. 112]
Poland	+48 (22)338 1100	U.K.	+44 (0) 1344 70 69 20
Portugal	+351 21 425 77 04	U.S.A.	+1 201 348 5300
Puerto Rico	+1 787 750 4300		+1 800 528 8601
Romania	+40 21 211 4855	Vietnam	+84 8 38370280