

Compact Live Switcher **AW-HS50**

Real Size [210 mm × 177 mm]



●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.

Panasonic
<http://panasonic.net/pss/broad/>

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AW-JEB50

Panasonic
ideas for life

PRERIMINARY 50 Hz 2/2010

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

Panasonic's New Product Line-Up:
Connected via an IP Network
The 50 Series



HD Integrated Camera
AW-HE50S/H

Compact Live Switcher
AW-HS50

Remote Camera Controller
AW-RP50

Connecting through an IP network opens up a sea of possibilities. The 50 Series – compact and easy to operate

Small and Effective: High Definition 1/3-inch Full-HD MOS Camera with Built-in Pan-tilt Head

HD Integrated Camera
AW-HE50S [SDI Model]
Available from Summer 2010

HD Integrated Camera
AW-HE50H [HDMI Model]

- 1/3-inch Full-HD MOS, complete with 18x HD Zoom Lens + 10x Digital Zoom

- A Full-HD camera mounted on a pan-tilt head capable of high definition output

The Full HD Camera equipped with three innovative image correction functions takes vibrant pictures that make the scene come alive.

Dynamic Range Stretch corrects too-bright whites and spreading blacks

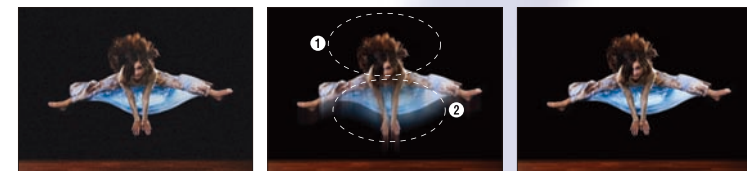


With the iris expanded

With the iris contracted

Both the writing on the blackboard and the person are clearly defined.

The New Hybrid Noise Reduction (Hybrid NR) is able to restrict afterimages even in the dark, resulting in a clear image



Without Noise Reduction: Some noise is evident.

With 3D Noise Reduction
① There is a loss of resolution.
② An afterimage is also present.

Hybrid NR: Capable of taking clear images even in the dark

Fresh Tone Mode detects human skin tone for a more beautiful reproduction



Fresh Tone Mode:OFF

Fresh Tone Mode:ON

*The effectiveness may be affected by lighting, etc.

■ Main Specifications

	AW-HE50S(SDI Model)	AW-HE50H(HDMI Model)
Image elements	1/3-inch Full-HD MOS	
Lens	18x HD Zoom Lens + 10x Digital Zoom	
Horizontal resolution	850 TV line (Center)	
Minimum illumination	3 lx (50 IRE, F1.6, +36 dB)	
Video output	HD/SD-SDI HD/SD analog component Composite	HDMI HD/SD analog component Composite
Video format	1080/59.94i, 1080/50i, 720/59.94p, 720/50P, 480/59.94i, 576/50i	
Pan-tilt range	Pan:-175 to +175 degrees, Tilt:-30 to +90 degrees	
Power consumption	Approx. 20 W [TBD]	Approx. 18 W [TBD]
Dimensions (WxHxD)	160 mm x 178 mm x 166 mm (excluding protrusions, cable cover and ceiling mount) [TBD]	
Weight	Approx. 1.6 kg	



Wireless Remote Control (sold separately)

■ Rear

AW-HE50S



AW-HE50H



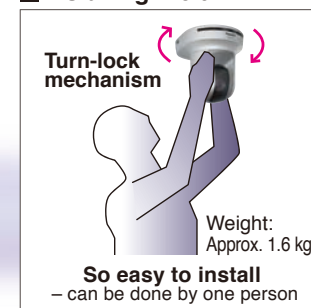
- Flexible camera layout thanks to simple connectivity and installation (indoor only)

Compact and lightweight body controlled via IP – the turn-lock mechanism delivers outstanding ease of installation, meaning one person can carry out the installation work.

■ Compact Size



■ Installing the unit



Small and Efficient: A High-Performance Multi-format Live Switcher with MultiViewer Display Functionality

Compact Live Switcher
AW-HS50

Available from Summer 2010

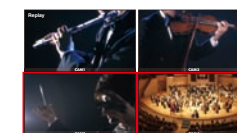


- 5 inputs and 3 outputs

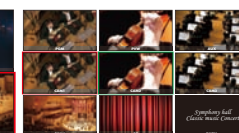
Standard setup includes 5 input channels (4 HD/SD-SDI, 1 DVI-D) and 3 output channels (2 HD/SD-SDI, 1 DVI-D).

- MultiViewer display functionality comes installed as standard

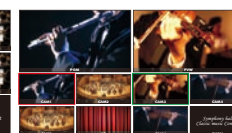
Live switcher can simultaneously output and display on one monitor the program (PGM), the preview (PVW) and the input signals to name but a few.



Four Split Pictures (images)



Nine Split Pictures (images)



Ten Split Pictures (images)

- A variety of functions packed into a compact body

This compact live switcher comes installed with a variety of functions and more: Wipes (horizontal and vertical), PinP, Chroma Key, DSK, Frame memory 1ch, etc.

Easy-to-use buttons' size and a simple control panel for straightforward operations suitable for live broadcasting.

■ Main Specifications

Video format	1080/59.94i, 1080/50i, 720/59.94p, 720/50p, 480/59.94i, 576/50i
Video input	HD/SD-SDI x 4, DVI-D x 1
Video output	HD/SD-SDI x 2, DVI-D x 1
Functions	Wipe (Vertical / Horizontal), PinP, Chroma key, DSK, Frame memory 1ch, Multi Viewer (the screen may be split into 4,9,10 sections)
Power consumption	Approx. 30 W [TBD]
Dimensions (WxHxD)	210 mm x 66 mm x 177 mm [TBD]
Weight	2.0 kg [TBD]



Small and Cohesive: An Easy-to-Use Camera Controller with an Array of Functions

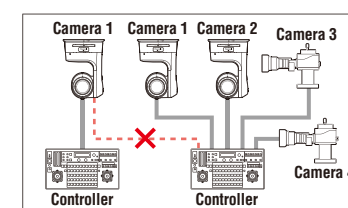
Remote Camera Controller
AW-RP50

Available from Summer 2010

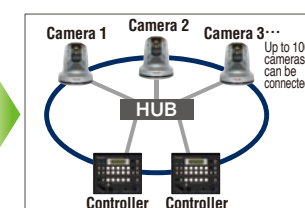


- Simple to connect and operate via an IP network

Up to 100 HD integrated cameras can be linked via an IP network
Up to 5 existing Panasonic pan-tilt heads*2, integrated cameras*3 and box cameras*4 such as the AW-HE50S, AW-HE50H, etc. can be linked using the serial control (RS-422 protocol).



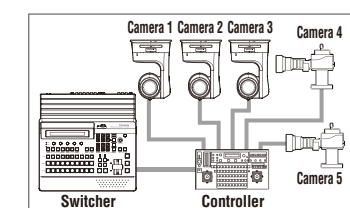
Each camera could not be operated by multiple controllers



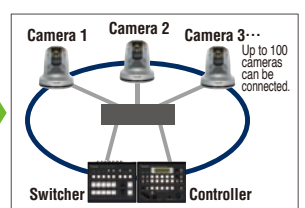
Each camera can be operated by multiple controllers

- A compact live switcher unit and a controller unit of the same size can be horizontally aligned and controlled by one operator

The Camera Controller is connected to the switcher via IP, making it much easier for one operator to control. The controller and switcher are exactly the same size and so they are easy to align and work with.



it was difficult for one operator to control



The switcher and controller aligned are a rack mount size

■ Main Specifications

Protocol	IPv4 (Panasonic AW series protocol)	RS-422 (Panasonic AW series protocol)	Preset positions	Up to 100
Connection	Up to 100 cameras	Up to 5 cameras	Power consumption	Approx. 5 W [TBD]
Adjustment functions	Pan/Tilt (Joystick), Zoom (Seesaw Switch), Focus, Iris, Gain, Shutter, Detail, White Balance(auto, adjust R/B gain), Black Balance (auto, adjust R/B pedestal)		Dimensions (WxHxD)	210 mm x 66 mm x 177 mm [TBD]
			Weight	2.0 kg [TBD]

*1 Compatible models: AW-PH405, AW-PH400, AW-PH360, AW-PH650 *2 Compatible models: AW-HE100 *3 Compatible models: AK-HC1800, AK-HC1500, AW-HE870, AW-E860, AW-E750, AW-E650, AW-E350 *The screenshots and photographs explaining certain functions are images. Actual performance may differ from the images shown.