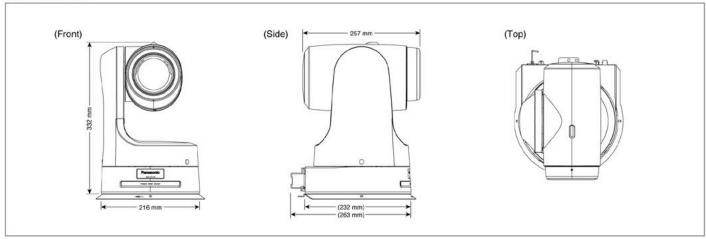
■ AW-HE100 Main Specifications

Camera			
Image Elements		1/3-inch interline 3CCD (progressive compatible)	
Lens		Power 13x zoom, F1.6-2.8 (I=4.2 mm to 55 mm, 35 mm equivalent: 32.5 mm to 423 mm)	
Focus		Auto/Manual switchable	
Optical Color Separation		Prism system	
Gain Selection		0 dB to 12 dB in steps, 15 dB, 18 dB, AGC	
Shutter Speed		1/120, 1/250, 1/500, 1/1000, 1/2000, Syncro-scan (50.0 Hz to 250.0 Hz)	
Gamma		Low, mid, high	
White Balance		AWC A, AWC B, ATW, 3 200 K, 5 600 K	
Black Balance		Auto	
Variable Chroma	Levels	7 levels	
Scene Files		Halogen light, fluorescent light, daylight, user	
Color Bar		Full-Bar	
Output Format		1080/50i, 720/50p, 576/50i, 576/25psF	
	Composite	1.0 Vp-p/75 Ω (BNC x 1)	
Video Output*	Y/C	Y: 1.0 Vp-p/75 Ω , C: 0.3 Vp-p/75 Ω (Burst) (VGA 15P x 1)	
	Y/Pr/Pb**	Y: 1.0 Vp-p/75 Ω , Pr/Pb: 0.525 Vp-p(SD)/75 Ω (VGA 15P x 1)	
Sycronization Sy	stem	Internal/External synchronization, BBS or VBS	
Pan-tilt Mechanis	m		
Camera/	Control cable	10BASE-T straight cable (UTP category 5), max. 1000 m (control only 9 ° °)	
pan-tilt head Control	Protocol	RS-422 (Panasonic AW series protcol)	
Rotation Speed		Over 60 °/s	
Rotation Range		Pan: over ±175°, tilt: over +210° to -40°	
Noise		NC35 (at 60 °/s in motion), NC30 (at 30 °/s in motion)	
Stop Accuracy		±3' (0.05 °)	
Operating Tempe	erature	0 °C to +40 °C	
Storage Tempera	ture	-20 °C to +50 °C	
Power		AC220 V to 240 V	
Power Consump	tion	Approx. 40 W	
Dimensions (W x H x D)		216 mm x 332 mm x 257 mm (excluding protrusions and mounting brackets)	
Weight		Approx. 7.0 kg (without options and mounting brackets)	
Standard Accessories		Wireless remote control, power cable (for UK & other country 1 each), mounting bracket (for tabletop or ceiling), mounting bracket (for main unit), drop-preventation wire, cable cover, mounting screws, rubber feet (with mounting screws)	
Wireless Remote Functions		Select camera (1 to 4), switch camera power (on/standby), open camera menu, switch modes, set AWC/ABC, switch gain, switch options, call preset (1 to 12), set preset/limit, pan-tilt operation, back to home position, zoom operation, focus operation, iris operation, switch focus mode, switch iris mode, adjust speed (pan/tilt/zoom/focus/iris/call preset)	

** With YP/P/P, the cuput format will change between 1080/720p/SD(576i576psF) depending on the format settings. With SD, you can select Y/Pr/Pb or Y/C from component setting.

Dimensions



Panasonic

Matsushita Electric Industrial Co., Ltd. Panasonic System Solutions Company Corporate Broadcast and Multimedia Busi 4-3-1 Tsunashima-Higashi, Kohoku-ku, Yokohama City 223-8639, Japan

http://panasonic.biz/broad/

AW-JECHE10008

+43 (0)1 610 80 773 Bahrain +973 252292 Belgium +359 2 946 0786 Canada China +1 905 624 5010 +45 43 20 08 57 Egypt Finland, Latvia, Lithuania, Estonia France +33 (0)1 49 46 43 59 Germany +30 210 96 92 300 Hungary +62 21 385 9449 +39 02 67 88 449 +7 3272 980 891

+54 1 308 1610

+61 2 9986 7400

Argentina

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+44 (0)20 76 63 36 57 +27 11 313 1400

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50 Hz 2008/4 **HD Integrated Camera AW-HE100**

HD Integrated Camera with smooth pan-tilt moves and great picture quality



Shoot in HD and stand definition, with easy installation and smooth operation. Powerful, Integrated HD/SD Camera ideal for a wide range of venues and applications.



Smart integrated design and high performance rotation pan-tilt head

Delivers highly-accurate remote image capture with fast, precise, ultra-smooth pan-tilt system and a wide range of movement.



Production quality 3CCD system & 19-bit Digital Signal Processing (DSP)



Equipped with Panasonic's exclusive high-precision 1/3-inch 3CCD and 14-bit A/D Converter & 19-bit Digital Signal Processing (DSP), the AW-HE100 shoots crisp, high resolution, high definition images.

HD Integrated Camera AW-HE100

- Offers HD/SD formats with the ability to switch between 1080i, 720p, 576i, and 576psF.
- The camera's stylish design blends in with a wide range of colors and decor.
- Standard accessories include a wireless remote for control of up to four cameras. Wired RS-422 control is also supported.

A fast, versatile 13x High Definition zoom lens delivers great images

Superior video can be produced in a wide range of shooting conditions, thanks to the camera's HD zoom lens with a F1.6 aperture and a 32.5 mm (35 mm equivalent) minimum focal length.







Halls/legislative halls

Delivers precise and intuitive camerawork in combination with a high performance control panel. Offers effective operation depending on the application or scale, from broadcasting high definition images on large displays in the venue to coverage of seats in the legislative halls using the preset memory function.



Studio production

One-man remote operation of multiple AW-HE100 units is possible, so less space is required for camera tripods and for camera operators to move around in.

As well as saving space, this contributes to more efficient shooting in the studio.



Indoor sports facilities

Providing 60 °/sec high-speed pan and tilt, the AW-HE100 lets you precisely catch even rapidly moving subjects. Add to this wide pan/tilt range enabling shooting from various angles, and you have the ideal camera for recording in gymnasiums, skating rinks and other sports facilities.



Business setting

Easy installation even on ceilings or tabletops. Conduct high resolution, live TV conferencing readily by using the cameras in combination with a live switcher.



School and other educational applications

A wireless remote control provided as standard gives you command over up to four cameras. Even without specialist knowledge, virtually anyone can easily operate the cameras and pan/tilt heads.



High resolution monitoring

The smart and compact integrated design of the AW-HE100 will naturally blend in with any surrounding. Useful for monitoring in high resolution.

lease refer to **p.6-7** for details concerning system configuration examples.

Integrated camera with a smart design offering high resolution and smooth movement.



High resolution, high definition shooting

■ Compatible with four (HD/SD) video formats

Using the menu screen lets you easily switch between the 1080i, 720p, 576i and 576psF formats. What's more, simultaneous HD and SD output enables smooth transition from an SD to an HD environment

HD 1080/50i, 720/50p

SD 576/50i, 576/25psF

■ Highly sensitive progressive 3CCD, excellent for shooting indoors

Delivers highly sensitivity, high S/N, and high resolution by employing a wide light collecting surface of 1/3-inch CCD.



■ High definition, 13x zoom lens with auto and remote focus

An 13x, HD zoom lens with a fast F1.6 maximum aperture provides both manual/remote and accurate autofocus capabilities.



■ 14-bit A/D Converter & 19-bit Digital Signal Processing (DSP)

Equipped with the same Panasonic exclusive highprecision Digital Signal Processing (DSP) found in our high-end broadcast cameras. the AW-HE100 delivers rich. vibrant video quality (i.e.gamma correction)



Broad range/high speed/precise rotation movement

■ Wide-area pan-tilt and Smart Flip function provide versatile coverage

The AW-HE100 provides a wide range of motion, with a pan range of ±175 ° and a tilt range from +210 ° to -40 °. The camera also includes a versatil use selectable Smart Flip function to automatically reverse the vertical orientation of the picture to provide natural looking video, even when the subject passes directly under the camera.



■ Shoot without disrupting the ambience with the silence of NC30

Operation is extremely quiet, with a noise level of just NC 30 (during 30 °/s operation). which is about as quiet as a library. This lets you achieve natural shooting results at weddings and in theaters and other locations where mood and atmosphere play an important



Shoot while preserving the natural ambience

High speed, accurate movement unfalteringly captures the dynamism of sports

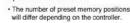
Has both high speed motion of 60 °/s and pan-tilt stop accuracy of ±3' (0.05 °). The camera accurately tracks high speed sports such as

swimming and skating.



A rich preset memory offering up to 100 positions

Various camera and lens position may be preset and memorized for easy recall. This is useful in situations where many fixed shots are required, and where nontechnical personnel may need to operate the cameras.





Easy installation/comfortable operation

A stylish body compatible for installation on ceilings and tabletops

Integrated smart design (pan-tilt, zoom lens, and camera), for simple cabling and installation on ceilings or walls.



■ Wireless remote control supplied as standard

A full-featured wireless remote for control of up to four cameras is ncluded as a standard accessory. The AW-HE100 is also compatible with current Panasonic RS-422 wired remote control

Easy operation and adjustment.

Range approximately 10 m (with no obstructions). However, the distance may become shorter if direct sunlight light from a fluorescent lamp or light from a plasma display falls on the AW-HE 100 main unit's IR receptor.

Operate multiple cameras at once. Supports system architecture built using existent equipment.

Other Peripherals







Compact Size Controller AW-RP555

Compact body offering full camera control.

Controls up to five cameras and rotation pan-tilt head. Fully control set up and picture quality using the camera menu. Set positions appropriate for each setting as each camera comes with up to 10 preset memory positions.

●Power Supply AW-PS505A is required

Power supply	DC12 V
Power consumption	Approx. 9.0 W
Dimensions(W x H x D)	210 mm x 58 mm x 177 mm
Weight	Approx. 1.4 kg
Accessories	Rack mounting adapters(5U) x 2, Mounting screws(M4 x 8 mm) x 4





Multi-function Controller

AW-RP655

Delivers highly sensitive pan-tilt movement and full camera control.

Controls up to five cameras and rotation pan-tilt head. Using the camera menu lets you control settings and picture quality. There's also preset memory for up to 50 positions for each camera, plus 10 tracing memories with a total memory time of 300 seconds. Up to two additional controllers can be connected to enable operation from multiple control rooms.

Power Supply AW-PS505A is required.

Power supply	DC12 V
Power consumption	Approx. 9.0 W
Dimensions(W x H x D)	420 mm x 52 mm x 220 mm
Weight	Approx. 3.5 kg
Accessories	Rack mounting adapters(5U) x 2, Mounting screws(M4 x 8 mm) x 4



Pan-tilt Controller **AW-RP400**

Ready for full-scale video production applications.

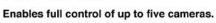
Enables precise control of up to five cameras with intuitive joystick/seesaw operation. You can also connect it to an AW-CB400 remote operation panel for controlling cameras.

A protocol converter AW-IF400 and Power Supply AW-PS505A are required to use this unit

Tracing memory function does not work for the AW-HE100.

Power supply	DC12 V
Power consumption	Approx. 13.0 W
Dimensions(W x H x D)	320 mm x 85 mm x 266 mm
Weight	Approx. 3.8 kg
Accessories	Zoom swich x 1, Plug(D-SUB 15 pin)for tally/INCOM system x 1 se Rack-mounting adapters x 2, Mounting screws(M4 x 8 mm) x 4

Remote Operation Panel AW-CB400



Tally/Intercom functions. Providing full camera control. this compact unit boasts the maneuverability to enable use at a wide range of venues.

Power is supplied by the AW-RP400

Power supply	DC12 V
Power consumption	Approx. 3.8 W
Dimensions(W x H x D)	100 mm x 85 mm x 266 mm
Weight	Approx. 1.4 kg
Accessories	Pan-tilt controller(AW-RP400) connection cable(10 m)

Protocol Converter AW-IF400





Power Supply AW-PS505A is required.

Power supply	DC12 V	
Power consumption	Approx. 1.5 W	-
Dimensions(W x H x D)	145 mm x 30 mm x 85 mm	
Weight	Approx. 0.4 kg	

Power Supply AW-PS505A



Power supply AC120 V/AC220 V to 240 V ** Power consumption Approx. 76 W Dimensions(W x H x D) 132 mm x 51 mm x 275 mm Approx. 1.6 kg Weight DC cable with 4-pin Canon connector(for AW-RP400.etc):Approx. 2 m DC cable with ø 5.5 plug(for AW-RC400.etc):Approx. 3 m

* Models manufactured before March 2008 require upgrading. For details, please contact a sales outlet.

DC cable with ø 6.5 plug(for convertible cameras):Approx. 3 m

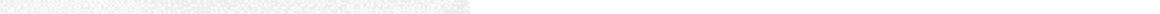




SDI Outputs AW-HHD100

Add two HD/SD-SDI outputs by placing mounts in the expansion slot of the AW-HE100. · Go to the main unit's menu to switch between SD/HD

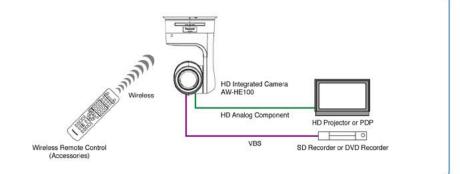
mensions(W x H x D)	159 mm x 27 mm x 111 mm	
eight	Approx. 0.23 kg	



Ready for applications ranging from a simple system using the supplied remote control to a large-scale system.

Simple system 0

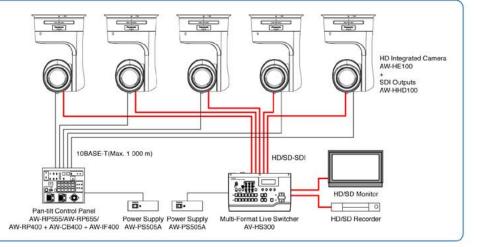
Taking advantage of the AW-HE100's ability to simultaneously output HD and SD video signals, when shooting at event venues you can provide live coverage with HD quality images at the venue while making an SD quality recording.



Simple system @

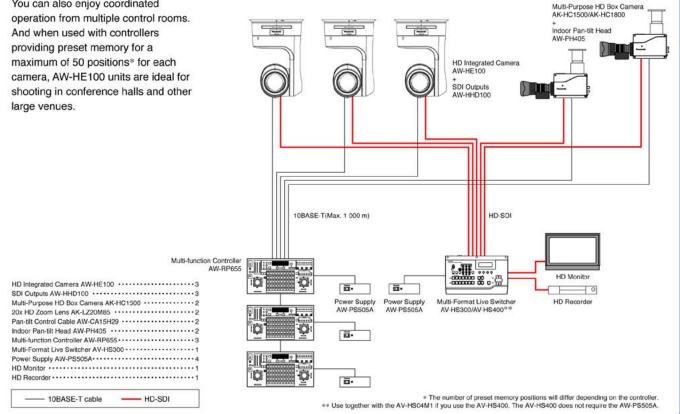
Using multiple AW-HE100 units lets you shoot and record in both HD and SD quality. You can also shoot from various angles to match the subject being recording.

HD Integrated Camera AW-HE100 · · · · · · 5 Multi-Format Live Switcher AV-HS300 · · · · · · · · · · · · 1 Power Supply AW-PS505A-----2 ---- 10BASE-T cable ---- HD/SD-SDI



HD camera system

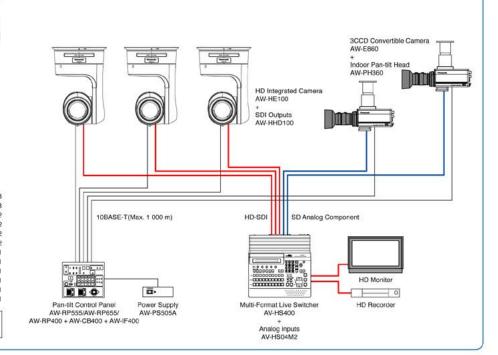
You can also enjoy coordinated And when used with controllers providing preset memory for a large venues.

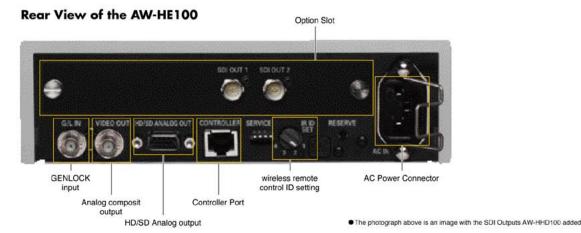


Mixed HD/SD system

A mixed HD/SD system can be created that incorporates AW-HE100 units used mostly for short-range shots, and convertible cameras for mid- to long-range shots.

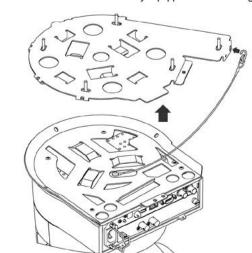
HD Integrated Camera AW-HE100 · · · · · 3 SDI Outputs AW-HHD100 · · · · 3 3CCD Convertible Camera AW-E8602 20x MD Zoom Lens AW-LZ17MD9A -----2 Power Supply AW-PS505A-----Multi-Format Live Switcher AV-HS400 · · · · · · · Analog inputs AV-HS04M2 ····· - 10BASE-T cable - SD Analog Component





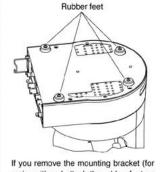
Optimal for both hanging and desktop installation

The AW-HE100 comes standardly equipped with mounting brackets and a drop-prevention wire necessary for installation on ceilings.



- Mounting bracket (for tabletop or ceiling)
- Mounting bracket (for main unit)





main unit) and attach the rubber feet on the body, you can install the AW-HE100 on the floor and on desktops.

Refer all servicing to qualified service personnel