

Panasonic
ideas for life

AW-E750
2/3" 3CCD Convertible Camera

AW-E655
1/2" 3CCD Convertible Camera

**High Sensitivity, High Performance 3CCD
Convertible Color Camera**



AW-E750

Low light performance

0.00005 lx



AW-E655

Super high sensitivity and excellent

Panasonic's high-quality 3-CCD convertible cameras offer excellent system expandability for various camera shootings.

- Panasonic's exclusive clean 3D-DNR (Digital Noise Reduction) technology produces super crisp images.
- Newly developed 12 bit A/D DSP creates excellent image quality.
- 12 vector color matrix masking for fine color adjustment
- Chroma detail and dark detail correction
- Feature cards make the camera compatible for a wide range of use. Two feature cards can be installed in the camera by using the optional additional card adaptor (AW-EX100).
- Excellent performance: Horizontal resolution: 850 lines
Signal to noise ratio: 67dB (DNR on) NTSC, 65 dB (DNR on) PAL
Minimum illumination: 0.005 lx, 0.00005 lx
(2 seconds CCD charge accumulation)



AW-E750

- 2/3" 3-CCD high image quality
 - Wide dynamic range: 600%
 - Compact size, light weight and low power consumption
- Size: 3-5/16" X 3-3/4" X 7-9/16"
(84W X 95H X 192D mm)
Weight: 2.4 lbs (1.1kg) Power: 12V DC, 12.6W



AW-E655

- 1/2" 3-CCD high sensitivity
 - Motor-driven optical filter (3200°K, 1/16ND, 1/64ND, IR through)
- The AW-E655's optical filter rotates for facilitating its use as an infrared camera capable of completely dark scenes from a distance.
- Size: 3-5/16" X 4-1/2" X 7-3/16"
(84W X 114H X 182D mm)
Weight: 2.6 lbs (1.2kg) Power: 12V DC, 12W

Feature Cards



Studio Card
AW-PB305

Studio camera system card

- Output: Y/C, VBS
- 5-inch EVF (Zebra, safety zone, and center marker included), and intercom input and output, and tally output compatible



Lens I/F Card
AW-PB308

Connecting card for Contact-type pan-tilt head

- When WV-CB550 is used, panning, tilting, zooming, and focusing are possible. With a fixed-type camera, zooming and focusing are possible.



SDI Card
AW-PB504

Digital connecting card for video equipment with SDI input jack

- Output: Serial digital interface (SMPTE259M [4:2:2 SDI])
- Zoom/focus of MD lens can be controlled by the controller WV-CB550.



SDI Studio Card
AW-PB508

Studio and SDI Cards integrated into one.

- SDI Output: SMPTE259M compatible
- Viewfinder connector mounted
- Intercom jack and intercom audio volume mounted on the EVF interface bracket
- EVF interface bracket included

Additional Card Adaptor



AW-EX100

- Maximum two feature cards can be inserted in the camera by using optional feature card box AW-EX100 with AW-E750 and AW-E655.

Note:

*Option cards AW-PB304/306/307/309/310 can not be used for AW-E655/750.

*Option cards AW-PB301/302/303 are not required for AW-E655/750 because functions of these cards are included in AW-E655/750.

picture quality 3-CCD camera

PERIPHERALS

Camera Remote Controllers



Remote Control Unit
WV-RC700A
•Component, Y/C and composite
•Multi-core/Single co-axial (w/AW-ML600)
•Max.300m to camera w/viewfinder



Remote Control Unit
WV-RC550
•Y/C and composite
•Multi-core
•Max.100m to camera w/viewfinder



Remote Control Box
WV-CB700A
•Composite
•10P control cable
•Max.10m



Remote Control Box
WV-CB550
•Composite
•Camera, pan-tilt control
•Max.300m (Belden8281)



Multiplex Adaptor
AW-ML600
•Composite
•Single co-axial cable
•Max.300m (Belden8281)

AC Adaptors

AW-PS301
Power:AC120V(NTSC), 220-240V(PAL)
Approx. 3.4-4.4VA
For AW-RP301/305/501/505 and others



AW-PS505
Power:AC120V(NTSC),220-240V(PAL)
Approx. 7.7VA
For AW-E750/655 and others



AW-PS300/AW-PS600
For AW-PH300A, PH350/AW-PH600

Pan-tilt heads/Controllers



Indoor Pan-tilt Head
AW-PH350
•50 preset memories
•Composite/Component/SDI



Multi-function Controller
AW-RP605
•Full camera control



Indoor Pan-tilt Head
AW-PH300A
•50 preset memories
•Composite



Video Board
AW-PB605



Outdoor Pan-tilt Head/Housing
AW-PH600
•50 preset memories
•Composite/Component/SDI



Indoor Pan-tilt Head
AW-PH500
•Max. load: 15kg



Control Panels
AW-RP501
•One camera/pan-tilt
AW-RP505
•Five camera/pan-tilts
AW-RP301
•One pan-tilt
AW-RP305
•Five pan-tilt heads



Multi-port hub unit
AW-HB505
•Max. 5 pan-tilt systems



Dial Up Adaptor
AW-DU600
•Modem required
•Directly controllable pan-tilt/lens
•Up to 5 cameras



Multi Control hub unit
AW-HB605
•Max.5 controllers

Live Switcher

AW-SW350
•5 inputs w/5 frame synchronizers
•9 types of wipe/3 types of soft edge
•Luminance key
•Still video capture



Signal Converter

AW-EX500
•1 analog input (composite, Y/C component) and SDI
•R/GB, SDI, SVGA, WEB, DV-CPRD output by option card
•An additional card adaptor attachable
•Output: video (composite, component, RGB, Y/C-D-sub connector)



Lenses

<For AW-E65>
16XMD Lens **AW-LZ16MD73**
16XStudio Lens **AW-LZ16ST73**



<For AW-E750>
17XMD Lens **AW-LZ17MD9**
17XStudio Lens **AW-LZ17ST9**



Controllers

MD Lens
AW-LK30
1/2" Studio Lens
AW-LK50
2/3" Studio Lens
WV-LK36



Viewfinder

5" B/W viewfinder
WV-VF65B
Viewfinder mounting bracket
AW-Q40



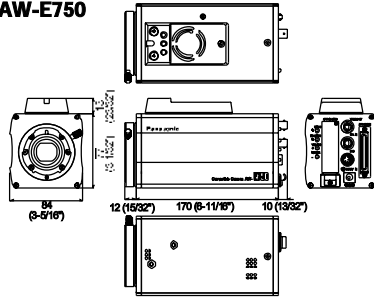
Cable list

Name	Number	Connection apparatus		Length	Note
Coaxial cable with special connector	AW-CA1T1	AW-PH600		1m	For SDI connection
DC power cable	AW-CA4T1	AW-PS505	AW-E750 etc. AW-SW350	3m	
Power cable	AW-CA8U30	AW-PS600	AW-PH600	30m	
Camera control cable for video signal	AW-CA16U10 / 20 / 30	AW-PH600	VTR, AW-RP501, AW-HB505 etc.	10m, 20m, 30m	VBS output, Component output, Camera Control
Pan-tilt control cable	AW-CA24U10 / 20 / 30	AW-PH600	AW-RP501, AW-CA26U15 etc.	10m, 20m, 30m	
Cable joint adaptor	WV-CA26T26	AW-E750 / E655	AW-CA26U15 etc.		Connects AW-CA50A26 to longer lengths
Studio cable (26P-26P)	WV-CA26U15 / 30 / 100	AW-E750 / E655	WV-RC550, WV-RC700A	15m, 30m, 100m	
RCB cable	AW-CA50T10	AW-E750 / E655	WV-CB700A	5m	Camera ~ RCB
For RCB cable extension	AW-CA50B10	AW-E750 / E655	AW-CA10B02 etc.	5m	Camera ~ RCB extension cable
RCB extension cable	WV-CA10B02 / 25 / 50	AW-CA50B10	WV-CB700A	2m, 25m, 50m	10P-10P
Lens extension cable	AW-CA12T12A		AW-E750 etc.	0.15m	12P-12P
RCU cable	AW-CA50A26	AW-E750 / E655	WV-RC550 etc.	15m	
RGB cable	AW-CA50T6	AW-E750 / E655	Monitor, VTR etc.	5m	BNC x 5 + S terminal
For RGB extension cable	WV-CA9T5 / 9	AW-EX500	Monitor etc.	5m	D-sub 9pin-BNC x 5 / D-Sub 9pin ~ D-sub 9pin
Contact type Pan-tilt head cable	AW-CA12T11	AW-PB308	WV-RC100	25m	
For WV-CB550 cable	AW-CA50TBNC	AW-E750 / E655	WV-CB550	2m	BNC coaxial cable is required.
Pan-tilt cable (for pan-tilt control panel)	AW-CA50T15, AW-CA50A15	AW-E750 / E655	AW-PH300A, AW-PH600	0.4m	Control panel, Composite signal / RS-232C (PC), Composite signal
	AW-CA50C15, AW-CA50D15		AW-PH600		Control panel, Component signal / RS-232C (PC), Composite signal
Pan-tilt cable	AW-CA50T29, AW-CA50C29	AW-E750 / E655	AW-PH350		Composite (T29) / Component (C29)
RS-232C pan-tilt cable	AW-CA28T9	AW-PH300A	PC	5m	Pan-tilt head is controlled by PC
RS-232C camera control cable	AW-CA50T9	AW-E750 / E655	PC	10m	Pan-tilt head is controlled by PC

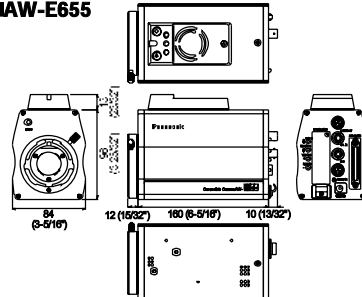
RATINGS (NTSC [PAL])

	AW-E750	AW-E655
Image elements	2/3" IT type 3-CCD	1/2" IT type 3-CCD
Pixels	Total elements	Approx. 410,000 [470,000]
	Effective elements	Approx. 380,000 [440,000]
Imaging area	9.6HX5.4V (equivalent to 2/3")	6.4HX4.8V (equivalent to 1/2")
Scanning System	2:1 interlaced NTSC system [2:1 interlaced PAL system]	
Scanning Frequency	Horizontal=15.734kHz, Vertical=59.94Hz [Horizontal=15.625kHz, Vertical=50Hz]	
Lens mount	2/3" Bayonet Mount	1/2" Bayonet Mount
Optical Filter	None	1/16ND, 1/64ND, 3200° K, IR Through
Synchronize system	Internal/external synchronization	
Standard Illumination	2000 lx, F14	
Minimum Illumination	0.005 lx (F1.4) 0.00005 lx (F1.4) (2 sec.CCD accumulation)	
Signal-to-noise Ratio	67 dB (DNR on) [65 dB (DNR on)]	
Horizontal Resolution	850 lines	
Registration	0.05%	
Image Enhancer	Horizontal/vertical	
White Balance	A/B 2 memory AWC, ATW	
Black Balance	Self-adjusting	
Color Bar	SMPTE color bar (setup 0/7.5IRE) [EBU colour bar]	
Shutter Speed	OFF, 1/100 [1/120], 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 Synchro-scan ELC	
Gain	Manual: max. 72dB (0 to 30 dB in steps, Night Eye/H, Digital Gain 0 to 30 dB in 6 dB steps) Auto: max. 42dB (AGC 0 to 30 dB, Night Eye/H)	
Iris	Auto (Manual by RCU control)	
Video Output	Composite: 1 Vp-p/75 ohm (BNC, 50P connector) YC:Y 1Vp-p, C 0.286Vp-p [0.3Vp-p] (50P connector) Component: Y 1.0Vp-p, Pr/Pb 0.7Vp-p, RGB 0.7Vp-p/75 ohm (50P connector)	
Power	DC 12V	
Power Consumption	Approx. 12.6W	Approx. 12W
Operating Temperature	14 °F~113F(-10 °C~ +45 °C)	
Weight	Approx. 2.4 lbs (1.1kg)	Approx. 2.6 lbs (1.2kg)
Dimensions	3-5/16" X 3-3/4" X 7-9/16" (84W X 95H X 192D mm)	3-5/16" X 4-1/2" X 7-3/16" (84W X 114H X 182D mm)

AW-E750



AW-E655



Unit: mm / Inch

Specifications are subject to change without notice.

Panasonic

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