

Panasonic

3CCD Convertible Camera & Pan tilt systems

Solution with CONVERTIBLE CAMERAS



Excellent system expandability accommodates

From studio shooting to outdoor shooting, nighttime shooting,

high precision video shooting, etc...

Freely combining these high performance cameras with

individual feature cards and various peripheral

devices opens up a wide range of possibilities.

In particular, since the unique feature cards are

customized for different shooting purposes, there is

no need to switch cameras depending upon

the objective, making reasonable

system construction possible.



Inserting individual feature cards from the rear of the camera enables

**Component Studio Card
AW-PB301**



Studio camera system card for high-end production

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

*

**Composite Studio Card
AW-PB305**



Low cost studio camera system card

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

**RGB/Component Card
AW-PB302**



Connecting card for video equipment with RGB/Component input jack

- Output: RGB, SYNC, Y/Pr/Pb

*

**High Sensitivity Card
AW-PB303**

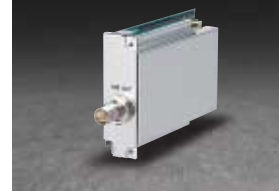


High sensitivity card to allow shooting even under low light intensity with field accumulation

- Field Accumulation : Maximum 2 seconds
- Minimum Illumination :
 - <AW-E300 used> Pseudo 0.015 lx
 - <AW-E600 used> Pseudo 0.0025 lx
 - <AW-E800A used> Pseudo 0.015 lx

*

**SDI Card
AW-PB304**



Digital connecting card for video equipment with SDI input jack

- Output: Serial digital component (SMPTE259M [4:2:2 SDI])

*

odates a variety of shooting purposes.



es easy customization.

Lens I/F Card
AW-PB308



Connecting card for Panasonic ITV Camera contact-type pan-tilt platform

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

SDI Studio Card
AW-PB306



Studio and SDI Cards integrated into one.

- SDI Output: SMPTE259M compatible
- Viewfinder connector mounted
- Income jack and speaker VR mounted
- EVF interface unit included

*

Scan Convert Card
AW-PB307



Card allows projecting the image onto PC monitors and projectors.

- NTSC video signal is converted and output as SVGA (VGA, XGA) analog signal.
- Output Connector: 15-pin D sub connector (Conversion cable included)
- SVGA, VGA, and XGA conversion function equipped (Conversion SW equipped)

Web Card
AW-PB309



Card for sending video from remote locations via the Internet.

- Transmitting video image signal converted into JPEG possible.
- Image Size : Selectable from 320X240, 640X240, and 640X480
- Display Cycle : 15 images per second (320X240) 7.5 images per second (640X240 and 640X480)

Speeds indicated above are based on theoretical values. Speeds may be reduced depending upon line capacity. Pan-tilt control head(AW-PH350) can be controlled by using Web Card via the intranet/internet.

* R/G/B signals, Y/Pr/Pb signals, and SDI signal will not be indicated on camera menu. Individual camera settings must be made through composite video output.

Specifications of the highest level and a varie

3CCD employed to provide high resolution for professional high-end use.

With employment of 3CCD, and a 10-bit DSP, high specifications have been achieved together with horizontal resolution, S/N, and minimum illumination.

Equipped with various functions to support diverse video production needs.

Cameras can be used by selecting the best conditions to meet various shooting situations. Functions can be easily set from menu screen.

Lightweight, compact box-type body.

A weight-saving, compact body achieved through an original board-to-board, super high-density design. Cameras have superior mounting capabilities, enabling easy installation from ceilings or on walls.

3CCD Convertible camera

AW-E800A

2/3-inch bayonet mount model

High specification model with aspect ratio of 16:9.

- Horizontal Resolution : 850 lines
- Minimum Illumination : 1.5 lx
- S/N : 63dB (NTSC), 61dB (PAL)



3CCD Convertible camera

AW-E600

1/2-inch bayonet mount model

High-end model perfect for use in studios and CATV production.

- Horizontal Resolution : 850 lines
- Minimum Illumination : 0.25 lx
- S/N : 65dB (DNR ON)(NTSC) 63dB (DNR ON)(PAL)



3CCD Convertible camera

AW-E300

1/3-inch C-mount model

Highly cost efficient model for multipurpose use.

- Horizontal Resolution : 800 lines
- Minimum Illumination : 1.5lx
- S/N : 63dB (DNR ON)(NTSC) 61dB (DNR ON)(PAL)



Separate Head Camera

AW-E300S

Small head, separate camera by separating head and body parts of convertible camera AW-E300.

- 3CCD (R, G, and B) type camera with 410,000 pixel, IT-type CCD with 1/3" on-chip lens, and F1.4 prism.
- The main and head units are connected with a dedicated cable, and can be extended to a maximum of 10 m.

(3m cable included as a standard accessory.)



ty of functions packed in a compact body.

4 modes to accommodate a variety of shooting conditions.

Equipped with four different pre-set modes which can be selected for different shooting conditions and preferences.

Halogen Lighting Mode	Suited for indoor shooting such as wedding reception rooms, lecture halls, and event halls.
Fluorescent Lighting Mode	Suited for indoor shooting under fluorescent lights.
Outdoor Mode	Suited for outdoor shooting.
User Mode	Users can customize camera functions to their specifications. (User Settings)

■ User Settings

● Switch Functions

Switching over from menu screen:

Gain, Electronic shutter, White balance selection, Detail level (OFF / LOW / HIGH), Corner detail, Precision detail, Black stretch, Highlight chroma, Skin color detail, Photometric measurement method (ALL, CENTER, TOP-CUT, BOTTOM-CUT, R/L CUT), CCD read out mode (FIELD, FRAME 1, FRAME 2), Clean DNR, Color bar setup, Use mode, Nega/posi, PC control access speed

● Adjustment Functions

R/B gain, R/B pedestal, Black level, Video level, Detecting ratio, Genlock horizontal phase/Color phase, Gamma compensation level, Knee compensation level, White clip level, Horizontal detail level, Vertical detail level, Detail band, Noise suppress compensation level, Level dependent compensation level, Chroma detail compensation level, Dark detail compensation level, Matrix compensation level, Flare correction level

Easy setup with menu screen

Setup and switch over of camera conditions and functions is easily accomplished through a menu screen with panel indicators.

Reproducing clear images with a variety of correction circuits

Equipped with a variety of correction circuits including chroma detail correction for adjusting deeply colored areas for clarity, dark detail correction for adjusting outlines of dark objects naturally, digital highlight chroma for reproducing natural dynamic range, and digital color matrix for reproduction clear colors.

Equipped with auto functions such as ATW, ABC, and ELC

Equipped with auto correction functions including ATW, which automatically adjusts white balance according to changes in light source and color temperature for natural images, ABC which automatically adjusts black balance, and ELC which automatically corrects light intensity. Adjustments can also be made from a remote control unit and remote control box. Pre-setting of white balance selection to color temperatures of 3,200K and 5,600K is also possible.

Remote control and pan-tilt platform system compatible

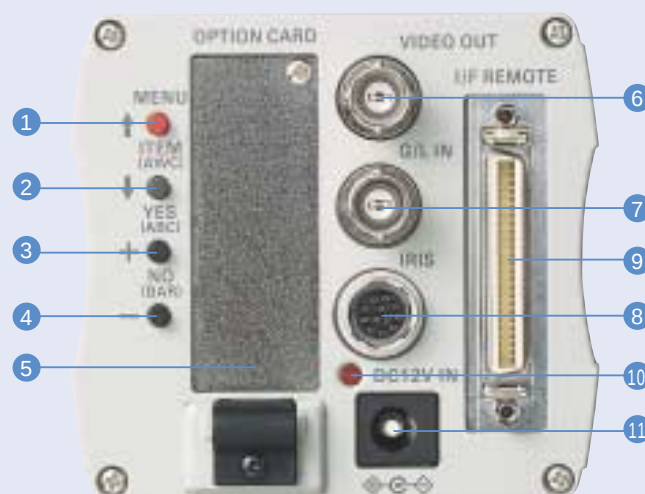
Cameras can be manipulated from a remote location with a variety of remote control units. Moreover, in combination with pan-tilt platforms, cameras to be set up indoors and outdoors, hung from ceilings or attached to walls. Various system designs are possible with flexible setup capabilities.

■ Remote Control Units

Remote Control Unit	AW-RP605	Maximum Distance : 1000m
Remote Control Unit	AW-RP501/505 AW-RP301/305	Maximum Distance : 500m
Remote Control Unit	WV-RC700A	Maximum Distance : 300m
Remote Control Unit	WV-RC550	Maximum Distance : 100m
Remote Control Box	WV-CB550	Maximum Distance : 300m
Remote Control Box	WV-CB700A	Maximum Distance : 50m

Backside Camera

- | | |
|--------------------------|------------------------------|
| ① MENU Switch | ⑦ Genlock Input Connector |
| ② ITEM/AWC Switch | ⑧ Iris Connector |
| ③ YES/ABC Switch | ⑨ Interface/Remote Connector |
| ④ NO/BAR Switch | ⑩ Power Indication LED |
| ⑤ Option Card Slot | ⑪ DC 12V Input Connector |
| ⑥ Video Output Connector | |



A variety of peripheral devices to provide real solutions

Outdoor pan-tilt head

Outdoor Pan-Tilt head
AW-PH600



AC Adaptor
AW-PS600
For AW-PH600



Outdoor pan-tilt head enables stable shooting despite the rain with a waterproof design.

- Panning angle of over 300 degrees (rotation speed of 10 degrees per second), and tilting angle of over 85 degrees (rotation speed of 8 degrees per second)
- A camera and lens weighing up to a maximum of 10 kg can be mounted
- In addition to zooming, panning, and tilting functions, heater, wiper, and defroster

functions for the housing can also be operated from the controller.

* AW-PH600 requires AC adapter, AW-PS600.

Indoor pan-tilt head

Indoor Pan-Tilt head
AW-PH300A



AC Adaptor
AW-PS300



A compact pan-tilt head with a wide rotating control range and high-speed control.

- Smooth starts and stops with soft landing control function
- Quiet operation with a noise level of less than NC30dB
- A wide rotating range and high-speed control of 300 degree panning (rotation speed of 25 degrees per second) and 190 degree tilting (rotation speed of 20 degrees per second)
- A camera and lens weighing up to a maximum of 4kg can be mounted
- 50 preset position memory included.
- RS232C interface available.

* AW-PH300A requires AC adaptor, AW-PS300.

Indoor Pan-Tilt head
AW-PH500



AC Adaptor
AW-PS505



Indoor pan-tilt head that can be equipped with ENG camera.

- Quiet operation with a noise level of less than NC40dB
- Panning angle of over 300 degrees (rotation speed of 18 degrees per second), and tilting angle of over 190 degrees (rotation speed of 10 degrees per second)
- A camera and lens weighing up to a maximum of 15kg can be mounted

* AW-PH500 requires AC adaptor, AW-PS505.

Control Panels

Controls indoor and outdoor pan-tilt head, and camera operation.

Hybrid Control Panels

AW-RP501

- With 3 coaxial cables (Belden 8281) and a 10BASE-T (UTP Category 5) straight cable, all manner of camera and pan-tilt head operations can be accomplished, as well as transmission of video signals and genlock signals.
- * In addition to the pan-tilt positions of the platform, lens settings for zoom, focus, and iris, as well as ATW, A/B white balance can be preset for easy switchover (maximum of 10 patterns).
- * AW-RP501 requires AC adaptor, AW-PS301.



Multi-hybrid Control Panel AW-RP505

- Controls up to 5 sets of cameras and pan-tilt heads with Multi-port Hub Unit (AW-HB505).

Front view / AW-RP505



Rear view / AW-RP505



Hubs

Multi-port Hub AW-HB505



Controls up to 5 camera pan-tilt systems.

- In combination with AW-RP505, up to 5 camera pan-tilt systems can be controlled.
- A cable to connect this unit and a multi-hybrid control panel can be extended up to 10 m, and a cable between the main unit, and camera and pan-tilt head up to 500m.
- Combining with AW-HB605 enables system construction that can be controlled from 1 to 5 camera and pan-tilt systems, and 1 to 5 AW-RP505 units.

Multi-control Hub AW-HB605



One pan-tilt head can be controlled from up to 5 control panels.

- Combining with Panasonic's pan-tilt systems enables operation of one camera and pan-tilt head from a maximum of 5 control panels (AW-RP501, AW-RP301, and AW-RP305).
- G/L B.B. generation circuit for the system embedded. With a total of 6 B. B. output lines, peripherals in addition to camera can also be connected without preparing an allotter.

A variety of peripheral devices to provide real solutions

Control Panels

Combined with AW-PH350, enables highly accurate remote control in a class with broadcasting stations.

Multi-Function Control Panel

AW-RP605

- Composite and component outputs compatible
- 50-presetting capacity
- 5-camera control
- Full rack size
- Camera full remote control mounted pan-tilt control panel
- Separation distance of 1,000m
- 10 tracing memory mounted.
- When 5 platforms are connected (component connected), up to 5 option cards can be used.
- Two coaxial cables (Video and Genlock) and one 10 BASE-T (UTP Category 5) straight cable.

* Usable option cards: AW-PB302/304/307/309

* Power supply (AJ-B75) is required.



Front View



Panel and main units are independent and will be connected via cables.

Additional Control Panel

AW-RP615

- Two additional control panels (AW-RP615) can be added to the main unit of AW-RP605.
- Maximum distance from the main unit to AW-RP615 is 1000m.

Video Board

AW-PB605

- Main Unit of AW-RP605 can be installed total five video processing board (AW-PB605). AW-RP605 includes one video processing board as a standard accessory.

Multi-Function Pan-Tilt (AW-RP605 exclusive)

AW-PH350



Multi-function pan-tilt with excellent system expandability

- Best-in-the-industry silent operation and high accuracy
- Composite, component, SDI, and IP compatible
- Functions to meet professional needs including camera full remote control, tracing memory, and 50 preset features.
- AW-PH350 can also be controlled through web card or IEEE1394 Interface.

* AW-PH350 is exclusively for Multi-Function Control Panel, AW-RP605.

Coaxial Multiple Adaptor

AW-ML600



Multiplexing of power, control, and video/genlock signal possible

- Multiplexes and sends power, control, and video/genlock signal through a coaxial cable to convertible camera and pan-tilt system.
- Converts DC power to DC12V, and supplies it from a remote control unit (WV-RC700A). Connects RCU and AW-ML600 with a coaxial cable. (300 m for Belden 8281: N-type connector included.)

* Not available in some areas.

Live Switcher

AW-SW300



* Live Switcher requires external power source AW-PS505 and a power cable AW-CA4T1.

Compact switcher with 4 video outputs.

- Equipped with 4 composite video signal inputs. YC signal compatible with S terminal.
- Input #4 can be switched to built-in color bar.
- External current system (DC12V) allows field use as well.
- As 2 composite video signal outputs, and 2 YC signal outputs are equipped as effect functions, system designing of monitor, VTR, etc., is very easy.
- The combination with the system of the other company is possible.
- Selectable frame synchronize function or genlock system.
- Simple WIPE, MIX, FADE (white or black) by manual or automatic control with variable speed.

* Not available in some areas.

Pan-tilt Control Panels

Pan-tilt Control Panel

AW-RP301

- Controls one pan-tilt platform.
- * Correspondence also Panasonic CCTV camera or the other company is possible.



Multi-control Panel

AW-RP305

- Controls up to 5 pan-tilt platforms.
- * Correspondence also Panasonic CCTV camera or the other company is possible.



Remote Control Units (RCU)

WV-RC550



- Remote control unit for convertible cameras
- Connecting a 26-pin studio cable (WV-CA26U15, WV-CA26U30, and WV-CA26U100) enables remote control for various camera settings, switching over, and adjustment. (RCU cable AW-CA50A26 required.)

WV-RC700A



- Enables remote control for various settings, switching over, and adjustment of convertible cameras.
- With coaxial multiple system, a camera can be connected with a coaxial cable. (Coaxial Multiple Adaptor AW-ML600 required.)
- Connecting a 26-pin studio cable (WV-CA26U15, WV-CA26U30, and WV-CA26U100) enables remote control of various camera settings, switching over, and adjustment. (RCU Cable AW-CA50A26 required.)

Remote Control Boxes (RCB)

WV-CB550



- Remote control box for controlling contact closure type pan-tilt head and convertible Camera.
- This unit and a camera are connected with 3 coaxial cables, and various camera controls, and transmitting of camera video signals and G/L signals can be accomplished.
- DC12V power source is required separately.

WV-CB700A



- Remote control box for convertible cameras
- Small, lightweight body enables remote control over the remote camera directly by extending from remote control unit.

Lenses

< For AW-E300 > MD(Motor Drive) Zoom Lens AW-LZ10MD6 1/3-inch C Mount x10 	< For AW-E300 > MD(Motor Drive) Zoom Lens AW-LZ14MD55 1/3-inch Mount x14 	< For AW-E300 > Studio Zoom Lens AW-LZ14ST55 1/3-inch Mount x14 	< For AW-E600 > MD(Motor Drive) Zoom Lens AW-S14 X BMD Manufactured by Fujinon 1/2-inch Bayonet x14 
< For AW-E600 > Studio Zoom Lens S14X7.3BRM4* Manufactured by Fujinon 1/2-inch Bayonet x14 	YH16X7KRS* Manufactured by Cannon 1/2-inch Bayonet x16 	< For AW-E800A > MD(Motor Drive) Zoom Lens AW-LZ17MD9 2/3-inch Bayonet Mount x17 	< For AW-E800A > Studio Zoom Lens AW-LZ17ST9 2/3-inch Bayonet Mount x17 

* Lens extension cable ,AW-CA12T12A, is required.

Control Kits

Control Kit AW-LK30 For MD(Motor Drive) Lenses Cable Length : 190 cm 	AW-LZ17ST9, S14X7.3BRM4 Lens Control Kit WV-LK36 YH14X7.3KRS Lens Control Kit WV-LK35 	Lens Control Kit WV-LK50 For Studio Zoom Lens AW-LZ14ST55 
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AC Adaptors

AC Adaptor AW-PS301 For AW-RP301, AW-RP305, AW-RP501, AW-RP505, and more 	AC Adaptor AW-PS505 DC Cable(XLR,4pin) included(2m). For AW-HB505,convertible cameras, live switcher, AW-PH500 and more. 
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Other

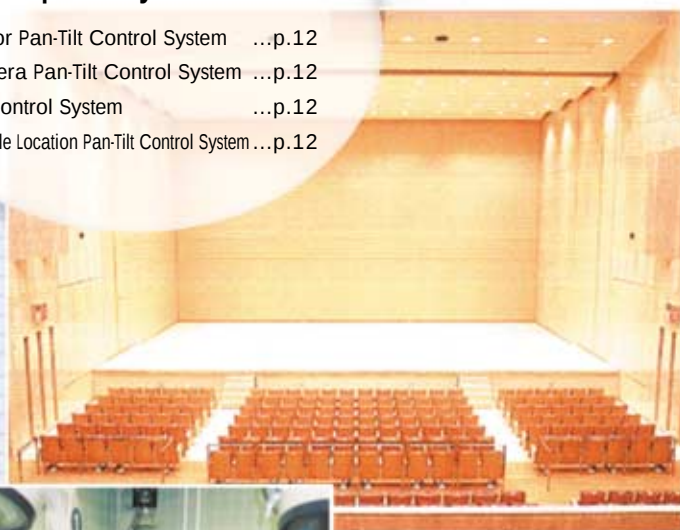
Public Telephone Line Connecting Box/ RS232C Distribution Box AW-DU600 Enables remote control of camera and pan-tilt head • AW-PS301 required. • With use of a public line, remote control of camera and pan-tilt head can be done through AW-RP501 series and PC. • Up to 5 sets of camera and pan-tilt platforms can be controlled with distribution function. • Directly controllable pan-tilt and zoom/focus. * Not available in some areas. 	5-inch Viewfinder WV-VF65B AW-VF80 • For AW-E800A, 16:9 compatible 	EVF Mounter AW-Q40 • For WV-VF65B and AW-VF80 * AW-Q40 is not required for SDI studio card (AW-PB306). 
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A variety of system variations for all ki

By expanding the flexibility of the convertible camera system and offering you a function-specific option card along with a large assortment of peripheral equipment, we bring you a system suited to the most demanding needs.

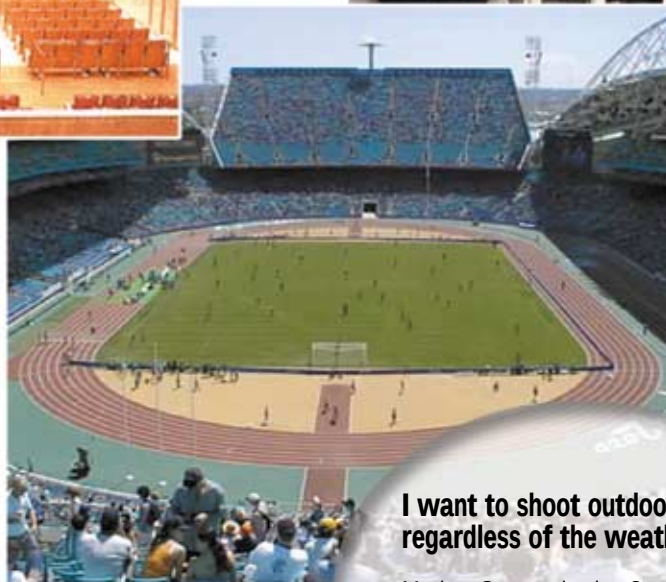
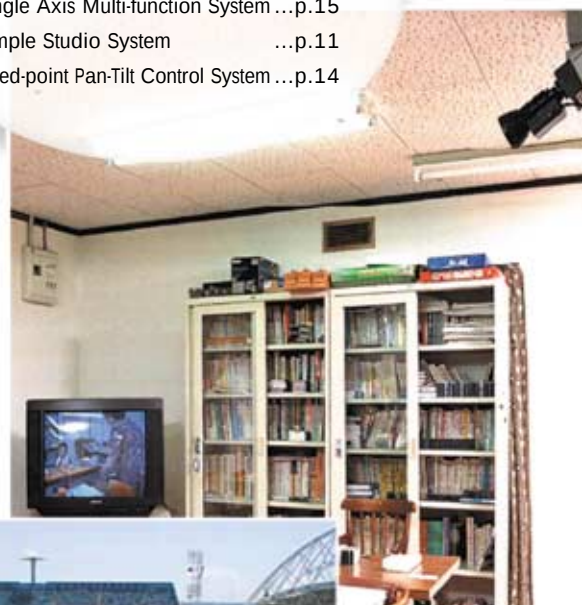
I want to make a system suited specifically to indoor use...

Indoor Pan-Tilt Control System ...p.12
Camera Pan-Tilt Control System ...p.12
PC Control System ...p.12
Multiple Location Pan-Tilt Control System ...p.12



I want to assemble a system with ease...

Single Axis Multi-function System ...p.15
Simple Studio System ...p.11
Fixed-point Pan-Tilt Control System ...p.14



I want to use it for special purposes...

RGB Card System ...p.13
Scan convert Card System ...p.13
Super-small Separate Head Camera System ...p.13
Microscope System ...p.13
Super-sensitive video shooting System ...p.14



I want to shoot outdoors regardless of the weather...

Modem Communication System ...p.15
Weather Camera System ...p.14
Information Camera System ...p.14
Outdoor Multi-purpose Recording System ...p.15

nds of shots in any location.

I want to control it from a distance...

- Web Card System ...p.15
- Modem Communication System ...p.15
- Weather Camera System ...p.14
- Information Camera System ...p.14

I want use it for the studio...

- Symple Studio System ...p.11
- High-quality SDI System ...p.11
- Fixed-point Pan-Tilt Control System ...p.14

I want to assemble it for multiple location use, or use by multiple people...

- Camera Pan-Tilt Control System ...p.12
- PC Control System ...p.12
- Multiple Location Pan-Tilt Control System ...p.12
- Outdoor Multi-purpose Recording System ...p.15

Studio shooting

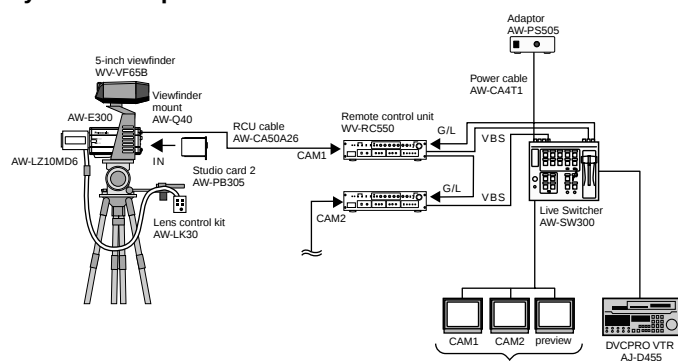
Easy to operate, and low-cost simple studio system

A compact, easy to operate, and low-cost system can be set up by inserting Studio Card 2 (AW-PB305) into the camera. Perfect for small-size studios in schools, companies, etc.

- AW-E300
- AW-PB305
- AW-RC550
- AW-SW300



System example



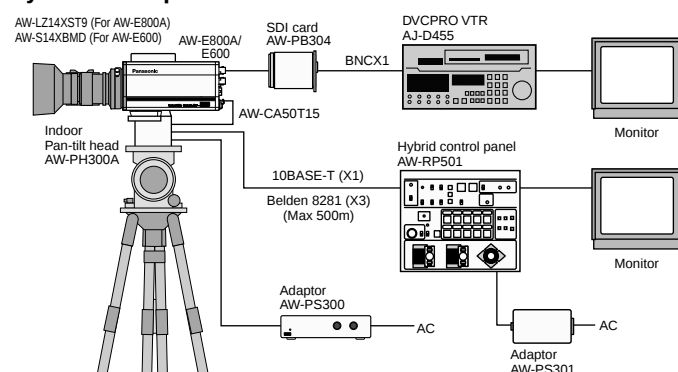
High-quality picture SDI system that records videos with little degradation.

Inserting SDI Card (AW-PB304) into the camera for SDI output, along with connection to digital equipment, allows video recording without loss of picture quality. Perfect for CATV stations and one-person studios of businesses that place importance on picture quality.



- AW-E800A/E600
- AW-PB304
- AW-PH300A
- AW-RP501

System example



Making system construction which responds to conv

Indoor shooting

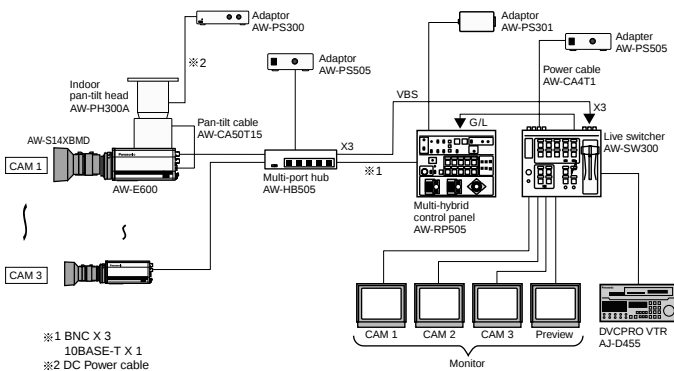
Controlling camera and pan-tilt head from PC

Quiet indoor pan-tilt system with no disrupting noise. The pan-tilt head and camera are compact, as well as extremely quiet. The videographer does not need to move around the hall, and is able to shoot without disturbing the scene. Perfect for wedding ceremonies or churches in which the atmosphere and mood are very important.



AW-E600
AW-PH300A
AW-SW300
AW-RP505
AW-HB505

System example



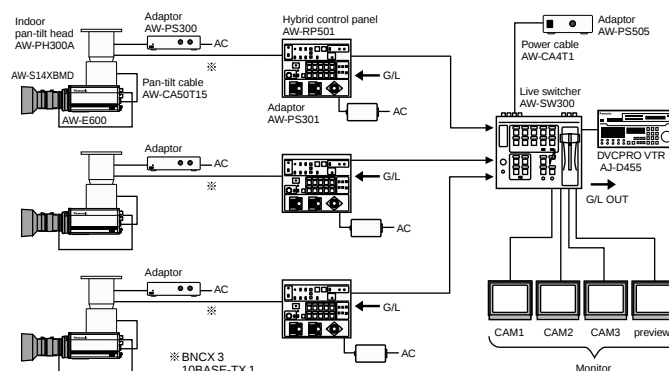
Operating and directing multiple camera images alone

Three indoor pan-tilt systems can be operated by remote control. On-site directing operation on video is also possible by connecting Live Switcher (AW-SW300).



AW-E600
AW-PH300A
AW-RP501
AW-SW300

System example



Indoor shooting of a large groups

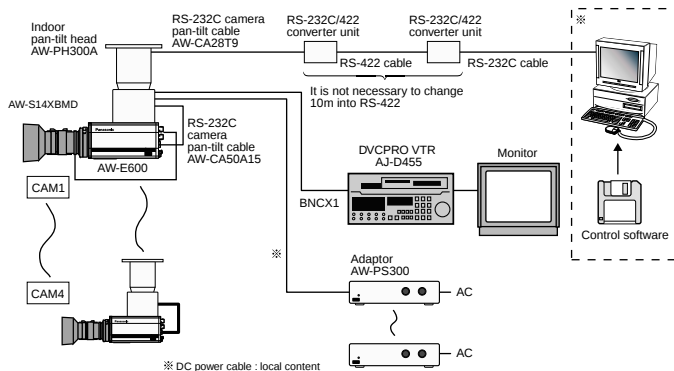
The camera can be installed on pan-tilt head, and controlled from PC via RS-232C.

Convertible Camera AW-E600 is very sensitive, with a minimum illumination of 0.25 lux, and can achieve quality imaging even in poor lighting conditions. Moreover, since the positions that you wish to shoot can be pre-set, the system is perfect for shooting large groups of people, such as in lecture halls, etc.



AW-E600
AW-PH300A

System example



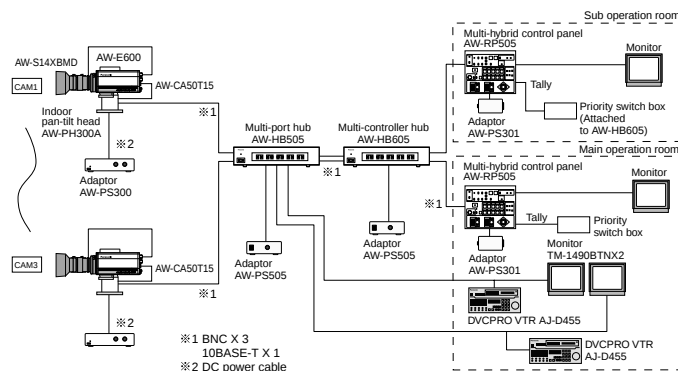
Operating multiple pan-tilt heads from a maximum of 5 points

Use of Multi-port Hub (AW-HB505). In addition to the main operator, camera pan-tilt heads can be controlled by up to 4 co-operators (for a total of 5 operators). The system can be used for multi-purposes such as stage wings and assistant rooms of theaters and lecture halls, and divided for use in 2 rooms.



AW-E600
AW-PH300A
AW-RP505
AW-HB505
AW-HB605

System example



Graphics shooting

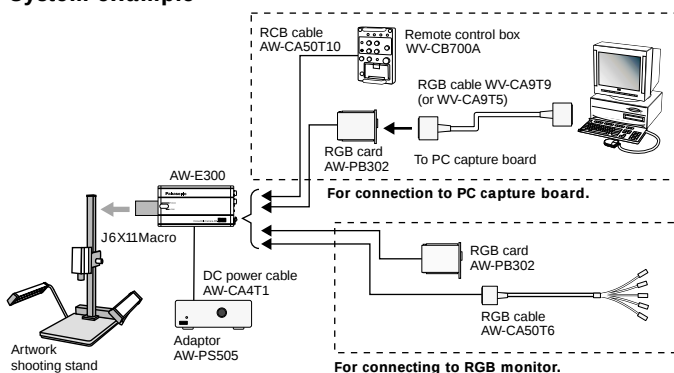
Graphic and image input by mounting camera on a stand Can also be used as a medical camera.

Objects are placed and shot on the artwork platform while the RGB Card (AW-PB302) is inserted in the camera. The system can be used for inputting and image processing of graphics including letters and illustrations. RGB Card can be used for output to both PC and RGB monitor.



AW-E300
AW-PB302
AW-CB700A

System example



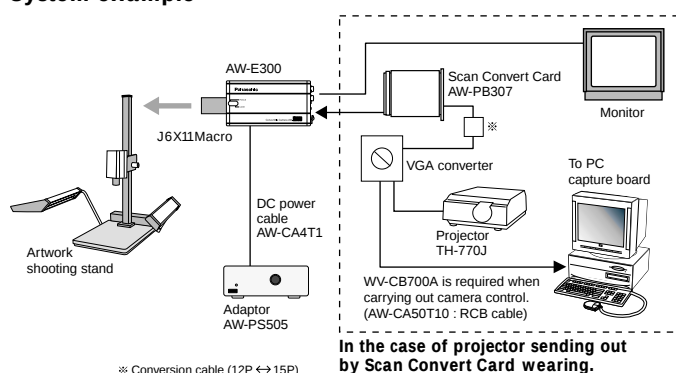
Scan Convert Card System to project uploaded images clearly.

Objects are placed and shot on the artwork platform while the Scan Convert Card (AW-PB307) is inserted in the camera. Scan Convert Card allows projecting clearer images of still pictures such as letters and illustrations.



AW-E300
AW-PB307

System example



Shooting from places where camera setup is difficult

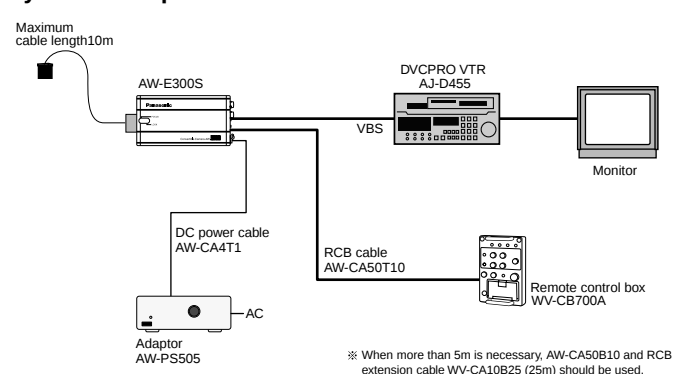
Ultra-small, separate-head camera plays an active role at the medical site.

Placed on the surgical light, the camera shoots scenes of an operation. The ultra-small, separate-head camera can be set up and used in places where it is difficult to equip regular cameras.



AW-E300S
AW-CB700A

System example



For research and observation by installing the camera on a microscope

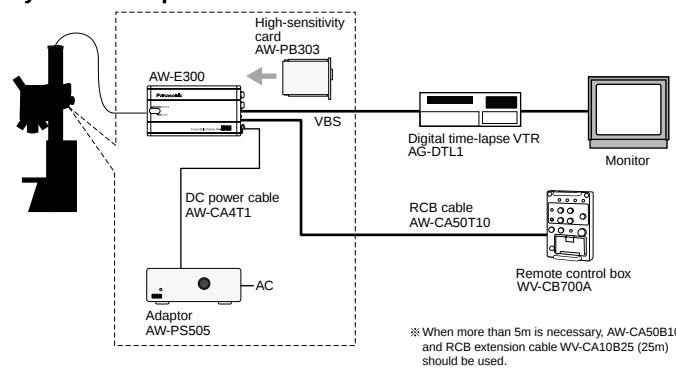
Combined with the AW-E300 C mount, the lens can be easily installed on a microscope, and shoot 7 different stages of images up to a minimum illumination of 0.015 lux* (accumulation time of 2 seconds). When the system is set up with RCB, manual sensitivity control also becomes possible.

*For AW-E600, up to 0.0025 lux



AW-E300
AW-PB303
AW-CB700A

System example



Making even outside system construction which resp

Outdoor shooting / Contact closure type pan-tilt head system

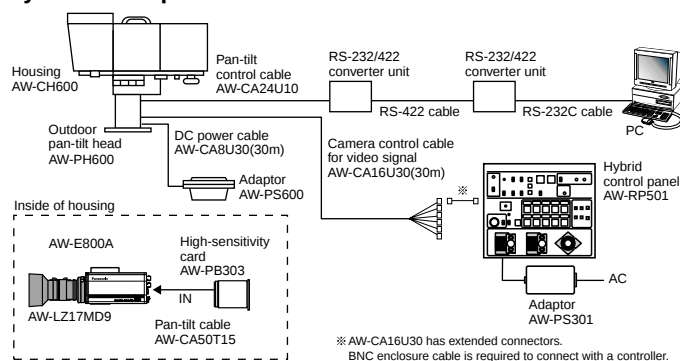
Weather camera system with use of waterproof, outdoor pan-tilt platform.

System upgrade to nighttime shooting camera is also possible by inserting a high sensitivity card. As the camera can be operated from remote a location via PC connection, faraway situations are projected on the monitor.

AW-E800A
AW-PB303
AW-PH600
AW-RP501



System example



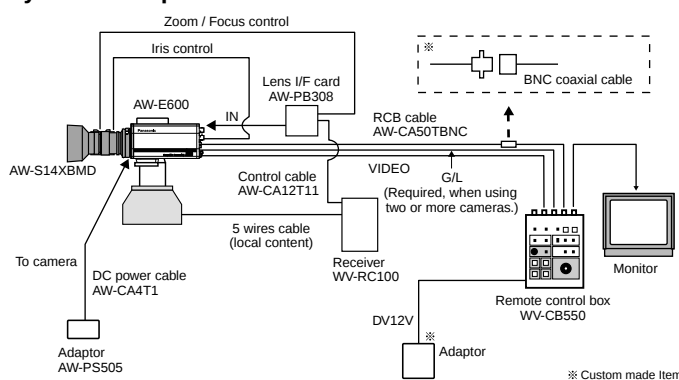
Making use of existing pan-tilt head.

With a lens I/F card (AW-PB308), the camera can be set up with an contact closure type CCTV pan-tilt head. By simply complementing the existing contact-type platform, system upgrade from an original single-board surveillance camera to high-end 3CCD camera can be accomplished.



AW-E600
AW-PB308
AW-7230D/7330D
AW-CB550

System example



Dim light shooting

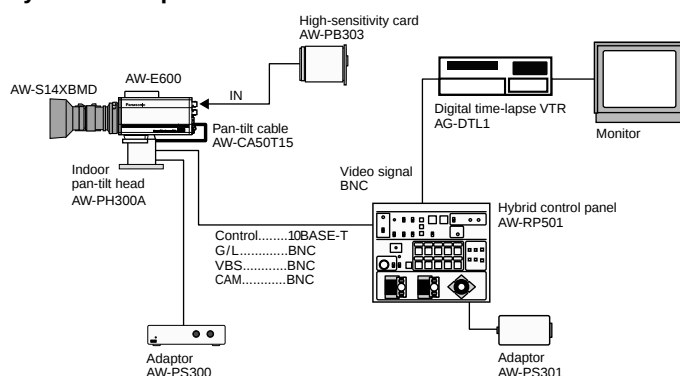
Sensitivity 0.0025 lux. For nighttime and dim light shooting.

Inserting a high sensitivity card allows shooting in dim light with a maximum sensitivity of 0.0025 lux. The system also can be mounted in high locations.

AW-E600
AW-PB303
AW-PH300A
AW-RP501



System example



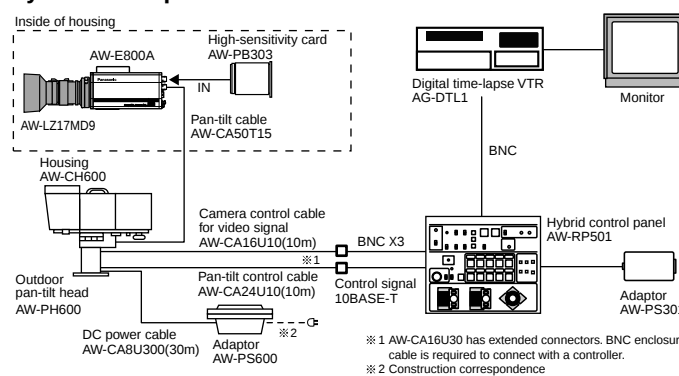
Information camera system with use of hybrid control panel.

Weather camera system using an outdoor pan-tilt, water-proof platform. The system is perfect for weather observation with outdoor setup or in places exposed to the weather.

AW-E800A
AW-PB303
AW-PH600
AW-RP501



System example



ends to various shooting purposes a reality

Broad area shooting

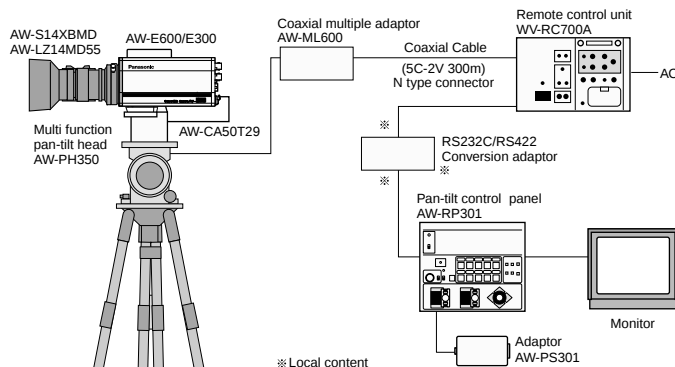
Connection with a camera is possible with only a single coaxial cable.

Operation of camera pan-tilt system can be done with a single coaxial cable by using coaxial multiplex unit AW-ML600. Perfect for taking the system outside, or to facilities where cable setup is difficult, and for use in broadcast station studios.

AW-E600/E300
AW-PH300A
AW-RP301



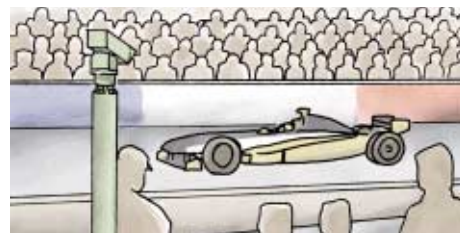
System example



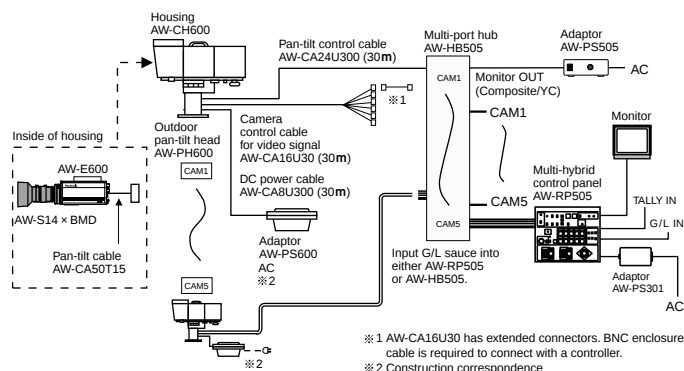
Outdoor recording system that even covers vast sport fields.

Control camera angles from indoors with a control panel. Services such as showing the image taken by the camera to the audience-viewed monitor are made possible.

AW-E600
AW-PH600
AW-RP505
AW-HB505



System example



Long-distance image transmission and system operation

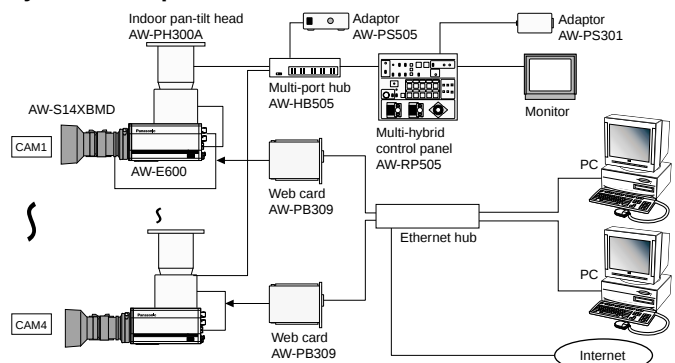
Web card system for transmitting still images and videos via the Internet.

Exchanging videos overseas and uploading live video to home pages via the Internet, and transferring video to suburbs via intranet is made possible.

AW-E600
AW-PB309
AW-PH300A
AW-RP505



System example



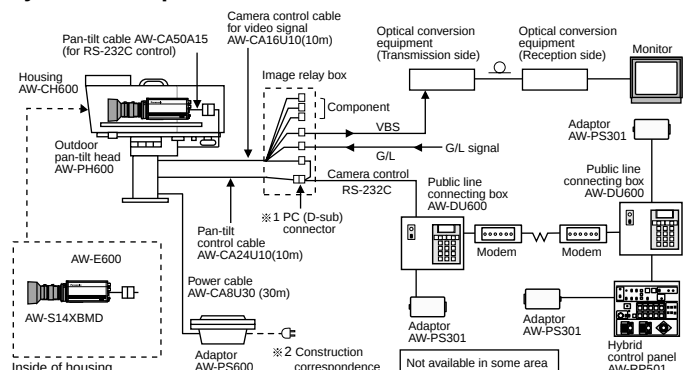
Modem communication system for long-distance operation of camera pan-tilt

Remote control operation of camera pan-tilt system from over 500m away can be achieved using a public telephone line. Video signals are converted into and transmitted as light signals. Perfect for shooting in mountain areas or for road surveillance.

AW-E600
AW-PH600
AW-DU600 (Custom-made item)
AW-RP501



System example



■Cable list

Name	Number	Connection apparatus		Length	Note
Coaxial cable with special connector	AW-CA1T1	AW-PH600		1m	
DC power cable	AW-CA4T1	AW-PS505	AW-E300 etc, SW300 etc	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-CA50A26 etc	AW-CA26U15		
Studio cable (26P-26P)	WV-CA26U15 / 30 / 100	AW-F575 etc	WV-RC550, WV-RC700A	15m, 30m, 100m	
RCB cable	AW-CA50T10	AW-E300 etc	WV-CB700A	5m	Camera ~ RCB
For RCB cable extension	AW-CA50B10	AW-E300 etc	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-E600 etc	0.15m	
RCU cable	AW-CA50A26	AW-E300 etc	WV-RC550 etc	15m	BNCx5
RGB cable	AW-CA50T6	AW-E300 etc	Moniator, VTR etc	5m	BNCx5 + S terminal
For RGB extension cable	WV-CA9T5 / 9	AW-PB302	Moniator etc	5m	D-Sub 9pin
Exisiting contact type platform cable	AW-CA12T11	AW-PB308	WV-RC100	25m	
For WV-CB550 cable	AW-CA50TBNC	AW-E300 etc	WV-CB550	2m	BNC coaxial cable is required.
Pan-tilt cable (for pan-tilt control panel)	AW-CA50T15, AW-CA50A15	AW-E300 etc	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), Component signal
Pan-tilt cable	AW-CA50T29, AW-CA50C29	AW-E300 etc	AW-PH350		Composite (T29) / Component (C29)
	AW-CA50F29, AW-CA50E29				Web Control (F29) / IEEE1394 Control (E29)
RS-232C pan-tilt cable	AW-CA28T9	AW-PH300A	PC	5m	Pan-tilt head is controlled by PC
Control cable	AW-CA50T9	AW-E300 etc	PC	10m	Camera is controlled by PC

■Ratings (NTSC <PAL>)

	AW-E300	AW-E600	AW-E800A
Imaging element	1/3" IT type 3-CCD system	1/2" IT type 3-CCD system	2/3" IT type 3-CCD system
Total number of pixels	Approx. 410,000 <470,000>		Approx. 515,000 <620,000>
Effective number of pixels	Approx. 380,000 <440,000>		Approx. 475,000 <570,000>
Imaging area	4.8 (H) x 3.6 (V) (equivalent to 1/3")	6.4 (H) x 4.8 (V) (equivalent to 1/2")	8.8 (H) x 6.6 (V)
Scanning	2:1 interlaced NTSC system <2:1 interlaced PAL system>		
Scanning frequency	Horizontal=15.734 kHz, Vertical=59.94 Hz <Horizontal=15.625 kHz, Vertical=50 Hz>		
Lens mount	1/3" C mount *	1/2" Standard byonet mount	2/3" Standard byonet mount
Synchronisation	Internal or external synchronisation		
Standard brightness	2,000 lux, (3,200°K, F8) <2,000 lux, (3,200°K, F8)>	2,000 lux, (3,200°K, F11) <2,000 lux, (3,200°K, F11)>	2,000 lux, (3,200°K, F11) <2,000 lux, (3,200°K, F9.5)>
Minimum brightness	1.5 lux, (F1.4, Night Eye mode)	0.25 lux, (F1.4, Night Eye HIGH mode)	1.5 lux (F1.7, Night Eye mode)
Signal-to-noise ratio	63 dB (DNR ON) <61 dB (DNR ON)>	65 dB (DNR ON) <63 dB (DNR ON)>	63 dB (DTL OFF) <61 dB (DTL OFF)>
Horizontal resolution	800 lines (High band, DTL ON)	850 lines (High band, DTL ON)	850 lines (High band, DTL ON)
Registration	0.05 %		
Outline correction	Horizontal <Vertical (both operative)>		
White balance	Self-adjusting A/B 2-memory, manual fine adjustment, ATW, 3,200 K, 5,600 K		
Black balance	Self-adjusting (Painting)		
Color bar	SMPTE color bar (Setup 0/7.5% IRE) <EBU colour bar>		
Shutter speed	OFF, 1/100, 1/250, 1/500, 1/1 000, 1/2,000, 1/4,000, 1/10,000 Synchro-scan ELC: variable target level		
Gain	AGC LOW/HIGH, 0 ~ 30 dB, NIGHT EYE	AGC LOW/HIGH, 0 ~ 30 dB, NIGHT EYE LOW/HIGH	AGC LOW/HIGH, 0 ~ 30 dB, NIGHT EYE
Iris	AUTO, (manual control is only possible when using RCU or control panel)		
Video output	Composite :1 V[p-p] / 75Ω (BNC, 50P D sub connector) <YC: Y1 V[p-p], C: 0.288V[p-p] (50P D sub connector)>		
Power supply voltage	DC 12 V		
Power consumption	Approx. 9.6 W		Approx. 14.4 W
Operating temperature	14°F ~ 113°F <-10°C ~ 45°C>		
Dimensions	3-5/16" x 3-1/32" x 5-3/4" <84 (W) x 77 (H) x 146 (D) mm>	3-5/16" x 3-1/32" x 6-3/32" <84 (W) x 77 (H) x 155 (D) mm>	3-5/16" x 3-5/8" x 7-9/16" <84 (W) x 92 (H) x 192 (D) mm>
Weight	1.5 lbs <0.7 kg>	1.9 lbs <0.86 kg>	2.36 lbs <1.07 kg>

*Note = The lens should be within 4.3mm from the lens mount face. Otherwise, there is a risk of damaging the camera unit. Weight and dimensions shown are approximate. Features and Specifications are subject to change without notice. These products may be subjects to export regulations.

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