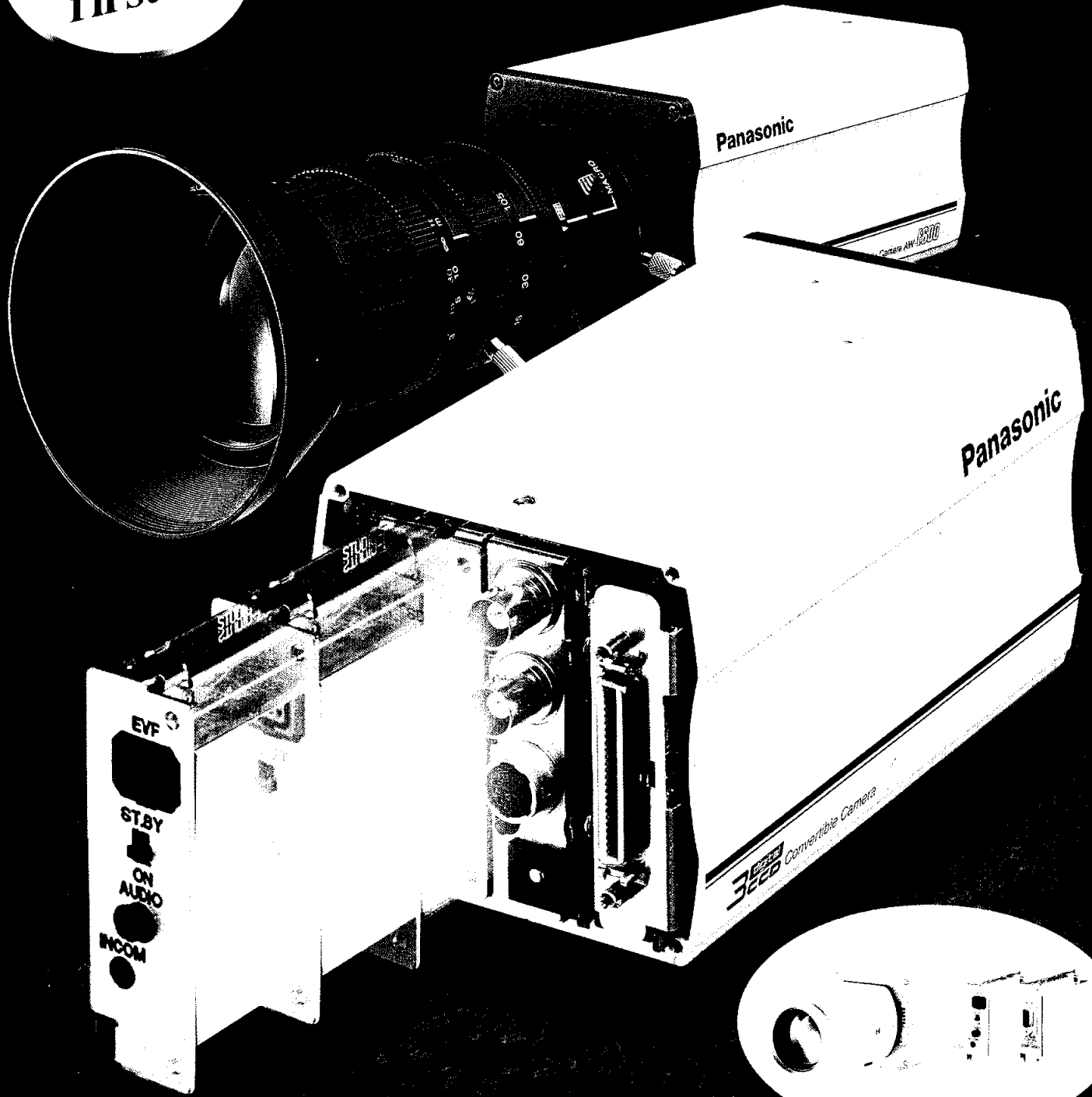


# Panasonic®

3-CCD Convertible Color Camera

AW-E300  
AW-E600

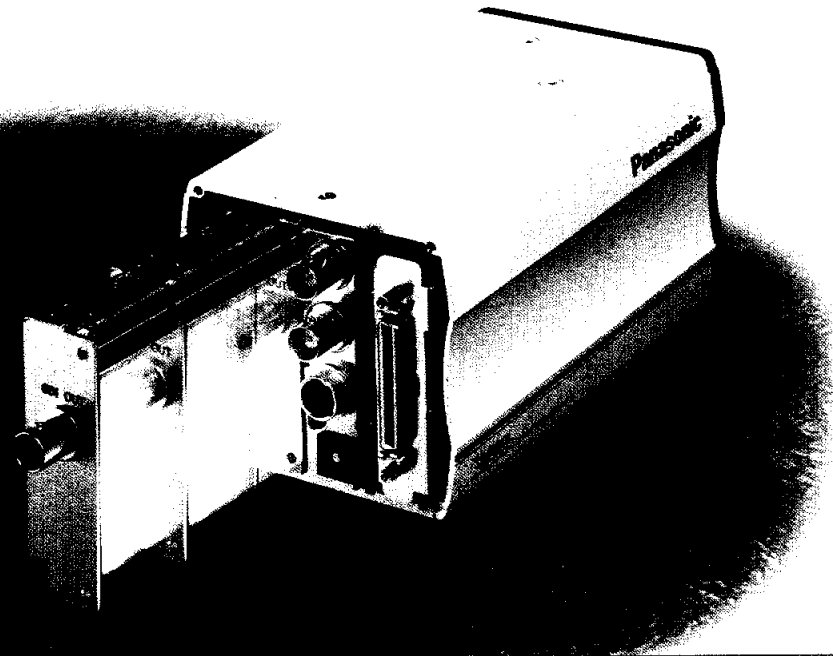
Industry  
first!



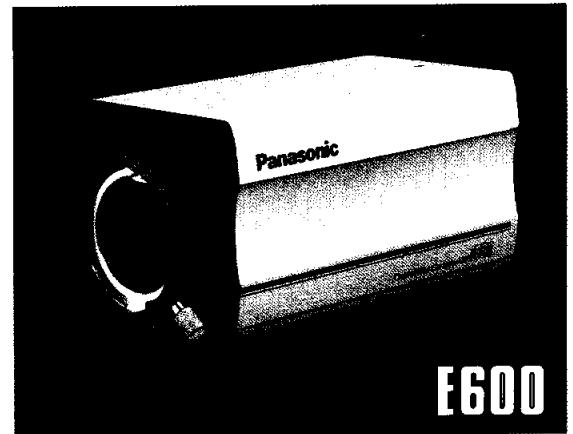
*Camera that can be converted for multiple applications by inserting various "Feature cards".*

# World's first - New expandable-function compact camera

Panasonic's first convertible camera brings a more customer oriented approach to the Professional Video market by allowing you to choose only the major features your applications demand while drastically reducing cost.



**E300**

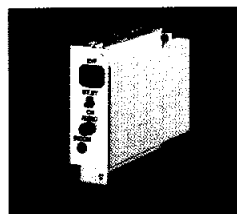
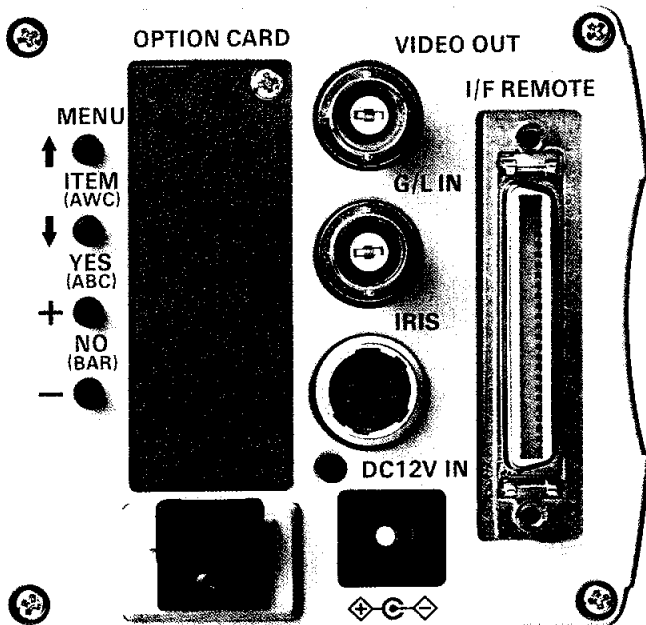


**E600**

**Employs an individual feature card system  
Compatible with a wide range of uses.**

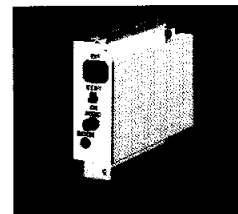
Feature cards can be inserted in the unique option slots. A single camera can be used for a variety of production purposes. By including only the functions required, ease of operation is enhanced.

A wide range of cards is available, including SDI or studio cards, and high-sensitivity cards for filming in dark locations. This system also enables easy expansion for future conversion to digital use.



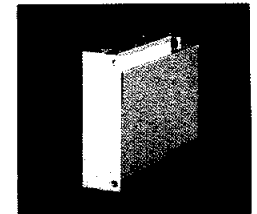
**Studio card 1  
AW-PB301**

- Output: RGB, Y/Pr/Pb, (Y/C, VBS)
- 5-inch EVF and intercom
- Input/output, tally output compatible



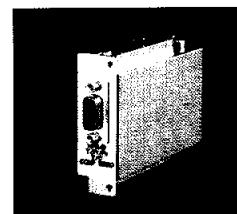
**Studio card 2  
AW-PB305**

- Output: (Y/C, VBS)
- 5-inch EVF and intercom
- Input/output, tally output compatible



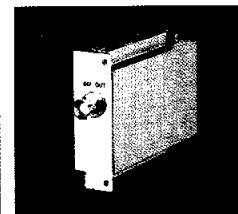
**High-sensitivity card  
AW-PB303**

- Field accumulation: Max. 2 sec.
- Minimum Illumination
- AW-E600/Pseudo video: 0.0025 lx
- AW-E300/Standard video: 0.015 lx



**RGB card  
AW-PB302**

- Output: RGB, SYNC, Y/Pr/Pb (Y/C, VBS)



**SDI card  
AW-PB304**

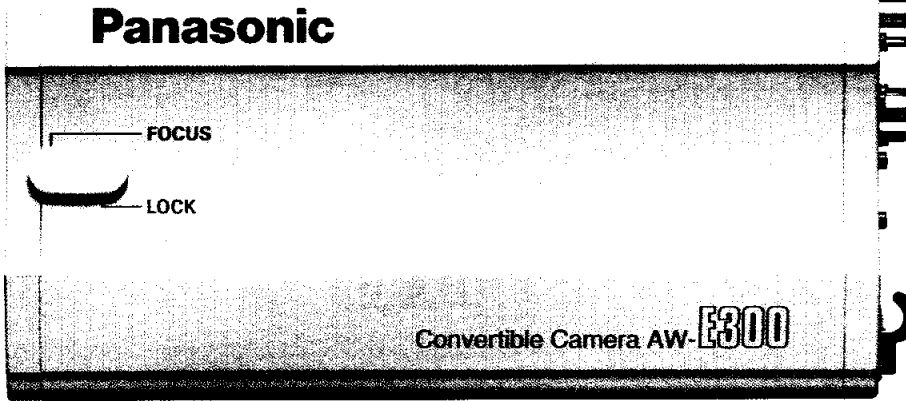
- Output: D-1, (Y/C, VBS) (SMPTE259M[4:2:2 SDI])

+ (Y/C, VBS) from camera body

# Compact, yet provides high resolution for professional high-end

Use of a 10-bit DSP gives high specifications with improved horizontal resolution, S/N, and minimum brightness. The unique board-to-board high-density design results in an outstandingly compact and lightweight camera that can be easily ceiling- or wall-mounted.

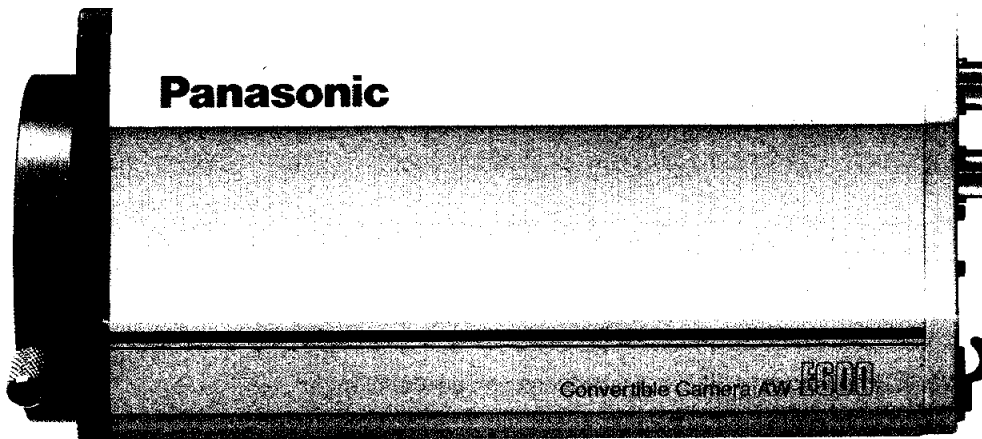
## 1/3-inch C mount model



Horizontal resolution: 800 lines  
Minimum illumination: 1.5 lx  
S/N: 63dB

Convertible color camera  
**AW-E300**

## 1/2-inch bayonet mount model



Horizontal resolution: 850 lines  
Minimum illumination: 0.25 lx  
S/N: 65dB

Convertible color camera  
**AW-E600**

### Compatible with remote control operation and pan/tilt systems

The camera can be controlled from a remote location using a variety of remote control units. Also, using the camera in conjunction with the AW-PH300 compact and quiet indoor pan/tilt unit enables a pan/tilt system to be set up for unobtrusive filming.

#### Remote control units compatible with AW-E600

Remote control unit WV-RC700A	Maximum distance: 300 m
Remote control unit WV-RC550	Maximum distance: 100 m
Remote control box WV-CB700A	Maximum distance: 50 m

### Full range of features and correction circuits, including ATW and ELC

The camera includes a variety of functions such as ATW for automatically correcting the white balance in response to lighting source and color temperature changes, and auto ND (ELC) for automatically adjusting brightness. It also features numerous correction circuits such as chroma-detail correction for displaying dark-colored areas clearly, and dark detail allowing natural outline correction for dark objects.

### Incorporates four selectable operating modes to suit a wide range of filming conditions

Four modes with preset camera functions can be selected to suit the usage conditions.

<b>Halogen lighting mode</b>	Suited for indoor shooting such as at wedding receptions or other events.
<b>Fluorescent lighting mode</b>	Suited for indoor shooting under fluorescent lighting.
<b>Outdoor mode</b>	Outdoor shooting.
<b>User mode</b>	Allows detailed camera function settings.

#### User setting items

Gain, electronic shutter, white balance, corner detail, black stretch, highlight chroma, flesh tone detail, light sensing method, color bar set-up, negative/positive selection, PC control transfer rate, R/B gain, R/B pedestal, black level, video level, son sing area selection, genlock, horizontal phase/color phase, gamma 2 correction level, white clip level, horizontal/vertical detail level, chroma/dark detail correction level, matrix flare correction, etc.

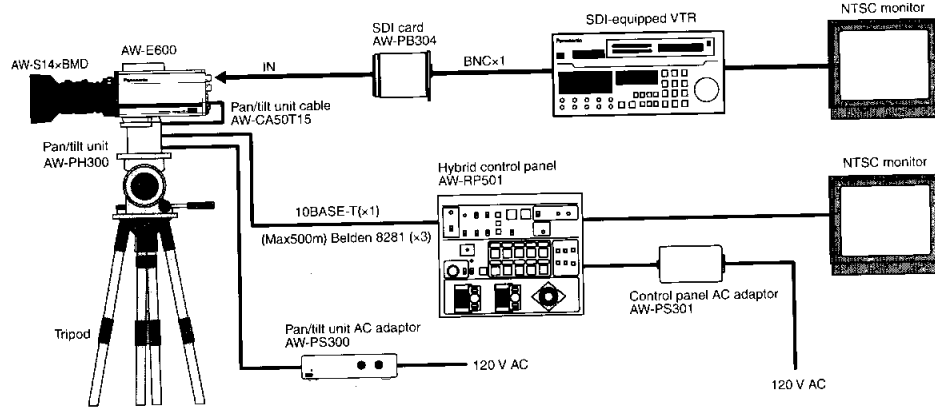
# New-concept production camera allowing a simple

High-resolution D-1 output



Inserting an SDI card allows video exchange via connection to digital equipment without loss of image quality. Ideal for filming in one-person studios for CATV stations and businesses that require high picture quality.

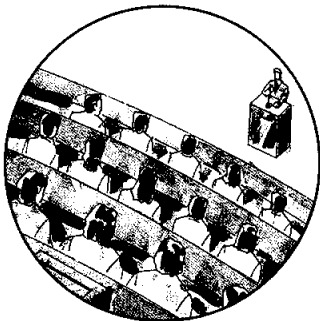
## ● One-person operation + SDI compatible system



- Camera body AW-E600 ..... x1
- x14 zoom lens AW-S14 x BMD ..... x1
- Indoor pan/tilt unit AW-PH300 ..... x1
- Hybrid control panel AW-RP501 ..... x1
- Pan/tilt unit cable AW-CA50T15 ..... x1
- NTSC monitors ..... x2
- SDI equipped VTR ..... x1
- Pan/tilt unit AC adaptor AW-PS300 ..... x1
- Control panel AC adaptor AW-PS301 ..... x1
- SDI card AW-PB304 ..... x1

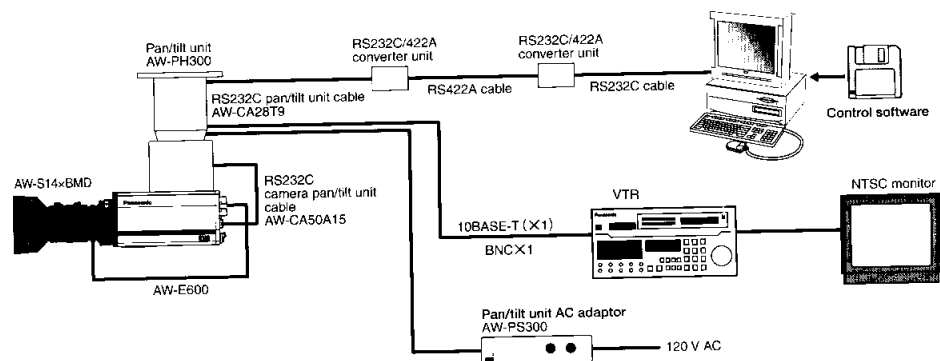
System can also be configured using AW-E300.

With PC control



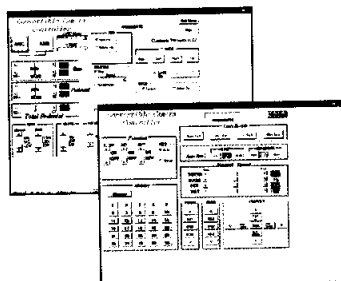
The camera can be mounted on a pan/tilt unit and controlled from a PC via an RS-232C cable. Filming positions can be preset, making this system ideal for filming large numbers of participants at conferences and other events. High sensitivity with a minimum light level of 0.25 lux allows optimum filming even under poor lighting conditions.

## ● With PC control, up to 30 filming positions can be stored in the memory. (Card not fitted.)



- Camera body AW-E600 ..... x1
- x14 zoom lens AW-S14xBMD ..... x1
- Indoor pan/tilt unit AW-PH300 ..... x1
- Windows PC ..... x1
- Pan/tilt unit AC adaptor AW-PS300 ..... x1
- NTSC monitor ..... x1
- VTR ..... x1
- RS232C camera pan/tilt unit cable AW-CA50A15 ..... x1
- RS232C pan/tilt unit cable AW-CA28T9 ..... x1
- RS232C/422A converter units ..... x2
- Control software (provided by user) ..... x1

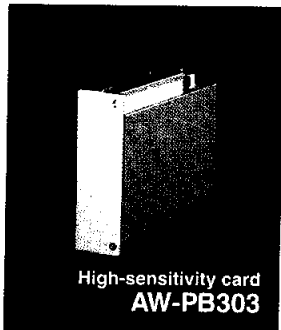
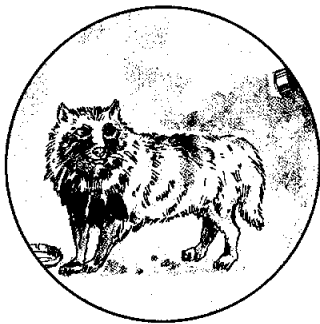
System can also be configured using AW-E300.



Control software sample

# configuration to suit a particular purpose

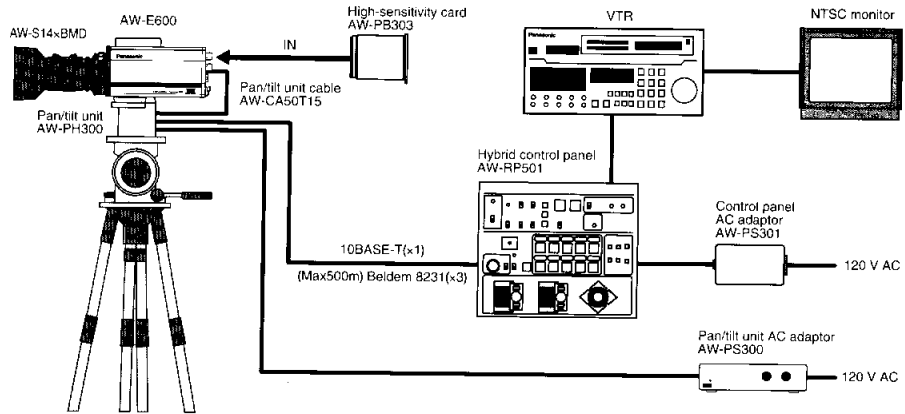
High sensitivity at 0.0025 lux



High-sensitivity card  
AW-PB303

Inserting a high-sensitivity card achieves a Pseudo video level of 0.0025 lux, and allows shooting in dark locations. The camera can also be used for weather monitoring or mounted at high locations such as on rooftops or highways for trafficam applications (Traffic Reports).

## ● System for shooting in dark locations using a high-sensitivity card

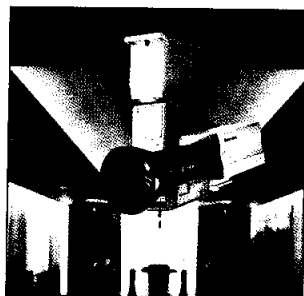
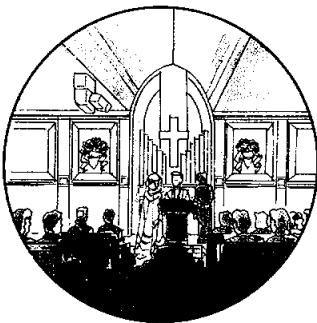


Minimum illumination  
AW-E600 0.0025 lx  
AW-E300 0.015 lx

System can also be configured using AW-E300.

Camera body AW-E600	.....	x1
x14 zoom lens AW-S14 x BMD	.....	x1
Indoor pan/tilt unit AW-PH300	.....	x1
Hybrid control panel AW-RP501	.....	x1
VTR	.....	x1
NTSC monitor	.....	x1
Pan/tilt AC adaptor AW-PS300	.....	x1
Pan/tilt cable AW-CA50T15	.....	x1
Control panel AC adaptor AW-PS301	.....	x1
High-sensitivity card AW-PB303	.....	x1

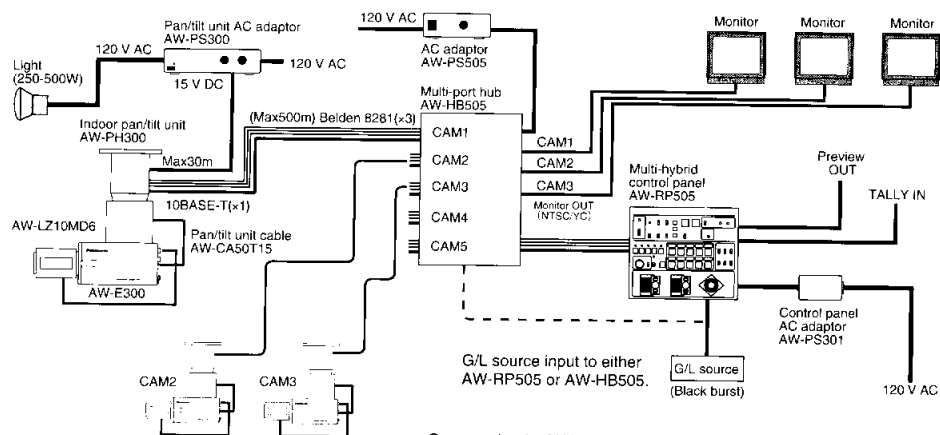
Incorporating new pan/tilt system



Note: Photo shows camera fitted with  
AW-LZ14MD55 x14 zoom lens.

The camera can be used for shooting weddings or a preacher by combining it with the production camera pan/tilt system. Both camera and pan/tilt system are compact, and pan/tilt noise is extremely low compared to existing pan/tilt systems. This allows unobtrusive shooting.

## ● Pan/tilt-mounted shooting (Card not fitted)

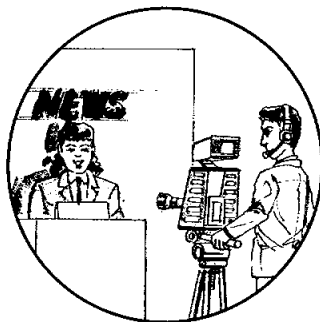


Camera body AW-E300	.....	x3
C-mount zoom lens AW-LZ10MD6	.....	x3
Indoor pan/tilt unit AW-PH300	.....	x3
Multi-hybrid control panel AW-RP505	.....	x1
Multi-port hub AW-HB505	.....	x1
Dedicated hub AC adaptor AW-PS505	.....	x1
Pan/tilt unit AC adaptor AW-PS300	.....	x3
NTSC Monitor	.....	x3
Control panel AC adaptor AW-PS301	.....	x1
Pan/tilt unit cable AW-CA50T15	.....	x3

System can also be configured using AW-E600.

## For studios

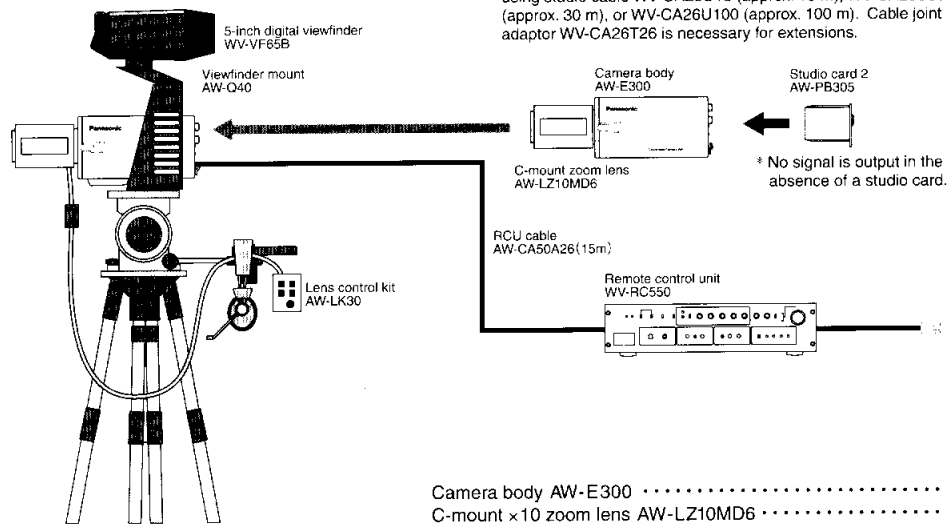
Simple cost effective camera system



Studio card 2  
AW-PB305

Inserting the AW-PB305 Studio Card 2 creates a studio camera suited for studios. A compact and simple-to-use system can be created while keeping costs low.

### ● Tripod-mounted shooting

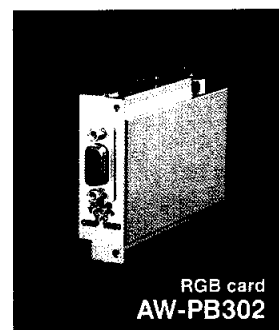
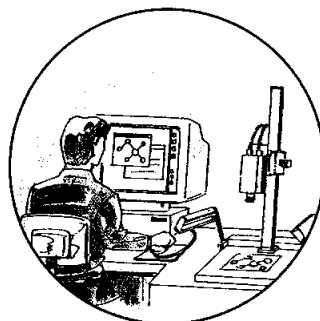


System can also be configured using AW-E600.

Camera body AW-E300	.....	x 1
C-mount x10 zoom lens AW-LZ10MD6	.....	x 1
Studio card 2 AW-PB305	.....	x 1
Remote control unit WV-RC550	.....	x 1
5-inch digital viewfinder WV-VF65B	.....	x 1
Lens control kit AW-LK30	.....	x 1
RCU cable AW-CA50A26	.....	x 1
Viewfinder mount AW-Q40	.....	x 1

## For graphic work

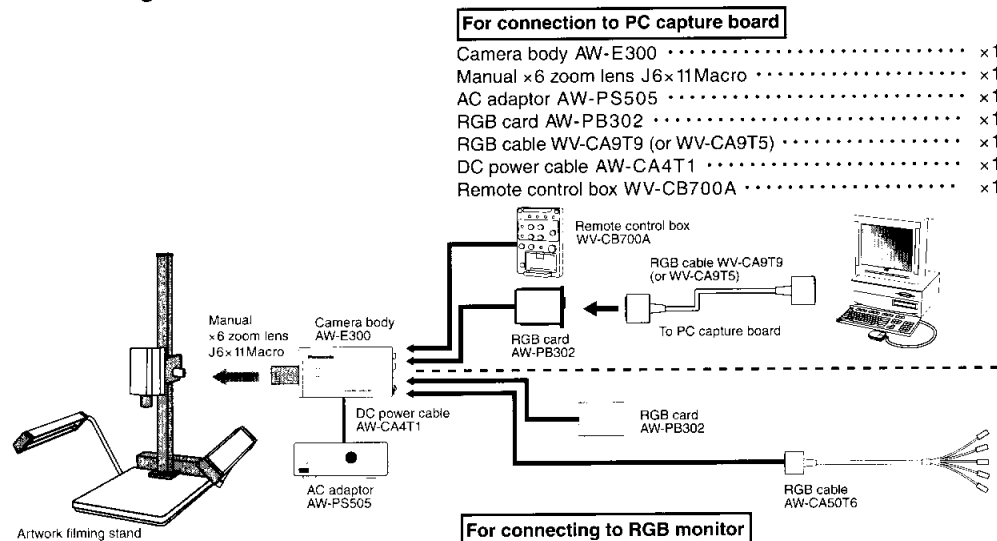
With both PC and RGB output



RGB card  
AW-PB302

Inserting the AW-PB302 RGB Card allows shooting while the camera is mounted on an artwork stand. It can be used for reading in text and graphics, and for image processing input. The RGB card is compatible with both output to PCs and RGB output.







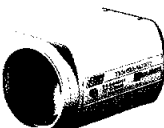

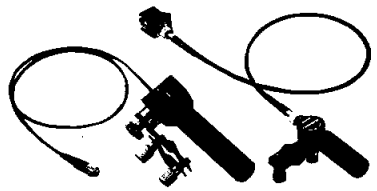


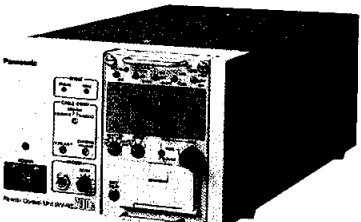
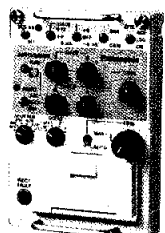
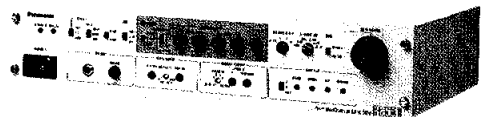
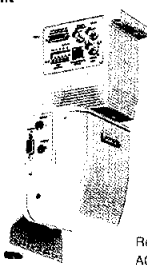
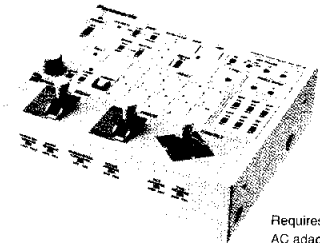

### ● Shooting with the camera mounted on an artwork shooting stand



#### For connecting to RGB monitor

Camera body AW-E300	.....	x 1
Manual macro zoom lens	.....	x 1
AC adaptor AW-PS505	.....	x 1
RGB card AW-PB302	.....	x 1
RGB cable AW-CA50T6	.....	x 1
DC power cable AW-CA4T1	.....	x 1

# Accessories

Zoom lenses for AW-E600		Zoom lenses for AW-E300	
Bayonet mount ×14 studio zoom lens <b>AW-S14 × BRM</b> <b>AW-LZ14ST73</b> 	Bayonet mount ×14 motor-drive zoom lens <b>AW-S14 × BMD</b> 	C-mount ×14 studio zoom lens <b>AW-LZ14ST55</b> 	C-mount ×14 motor-drive zoom lens <b>AW-LZ14MD55</b> 
×16 power zoom lens <b>S16 × 6.7BMD</b> 	×18 power zoom lens <b>S19 × 6.5BMD</b> <b>YH18 × KTS</b> 	C-mount ×10 motor-drive zoom lens <b>AW-LZ10MD6</b> 	C-mount ×6 manual zoom lens <b>J6 × Macro</b> 
Lens control kits			Viewfinder
For Fujinon lenses: Servo zoom control kit <b>WV-LK36</b> (for AW-S14 × BRM)	For Canon lenses: Lens control kit <b>WV-LK35</b> (for AW-LZ14ST73)	For AW-LZ14ST55 Lens control kit <b>AW-LK50</b> 	For AW-LZ14MD55 AW-LZ10MD6 AW-S14 × BMD S19 × 6.5BMD Lens control kit <b>AW-LK30</b> 
			5-inch digital viewfinder <b>WV-VF65B</b> * Requires mounting bracket WV-Q71. 
Remote control units (boxes)			
Remote control unit <b>WV-RC700A</b> 	Remote control box <b>WV-CB700A</b> 	Remote control unit <b>WV-RC550</b> 	
Pan/tilt units			
Indoor pan/tilt unit <b>AW-PH300</b>  <p>Requires dedicated AC adaptor AW-PS300.</p>	Hybrid control panel <b>AW-RP501</b> 	Multi-port hub <b>AW-HB505</b>  <p>Requires dedicated AC adaptor AW-PS505.</p>	

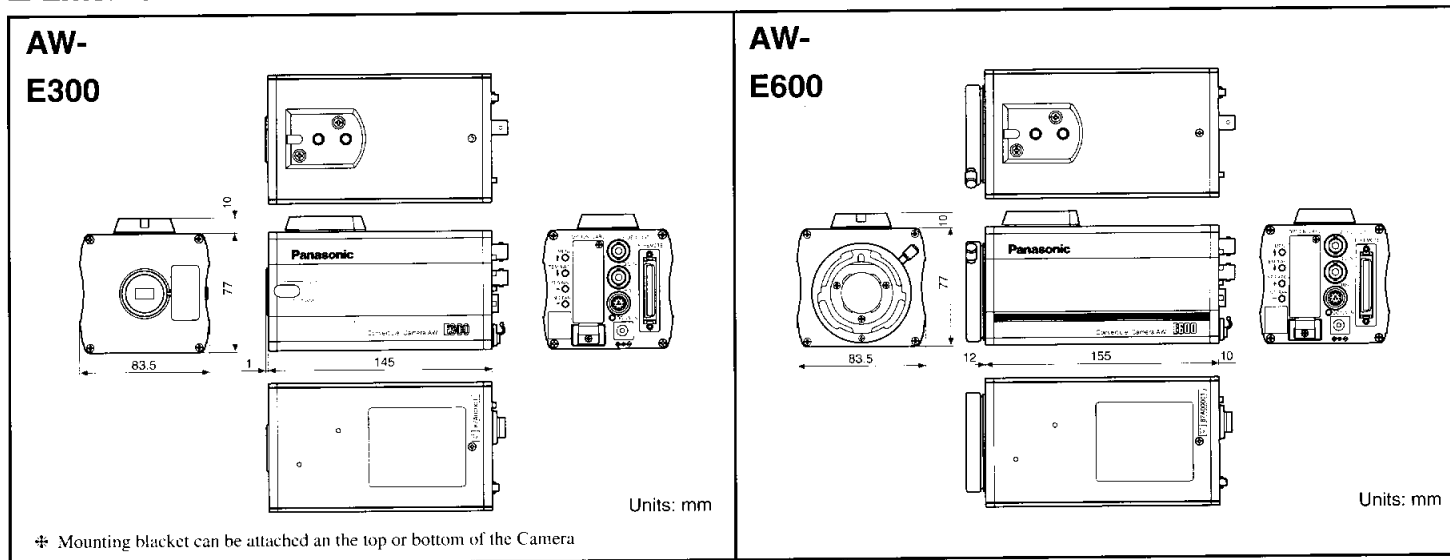
<b>RCU cables</b>	●RCU cable AW-CA50A26 (15m)(camera-RCU) ●Cable joint adaptor WV-CA26T26 (for studio cable and joint) ●Studio cable (26pin-26pin) WV-CA26U100 (100m) ●Studio cable (26pin - 26pin) WV-CA26U30 (30m) ●Studio cable (26pin-26pin) WV-CA26U15 (15m)
<b>RCB cables</b>	●RCB cable AW-CA50B10 (5m)(camera-RCB cable (WV-CA10B02/25/50)) ●RCB cable AW-CA50T10 (5m)(camera-RCB)
<b>Pan/tilt unit cables</b>	●Pan/tilt unit cable AW-CA50T15 (camera-pan/tilt unit) ●232C camera pan/tilt unit cable AW-CA50A15 (camera-pan/tilt unit)(when using 232C control) ●232C pan/tilt unit cable AW-CA28T9 (pan/tilt unit-PC)
<b>PC cables</b>	●PC control cable AW-CA50T9 (camera-PC)(D-sub 9-pin)
<b>RGB monitor cables etc.</b>	●RGB cable AW-CA50T6 (connection to camera (BNC x5+S terminal)) / WV-CA9T5 (RGB card to camera (BNC x5)) / WV-CA9T9 (RGB card to camera (D-sub 9-pin))
<b>For use with camera alone</b>	●DC power cable AW-CA4T1 (camera-power supply AW-PS505)

## ■ Ratings

	AW-E300	AW-E600		AW-E300	AW-E600
<b>Imaging elements</b>	1/3" IT type 3-CCD system	1/2" IT type 3-CCD system	<b>Black balance</b>	Self-adjusting	
<b>Pixels</b> Total number of pixels	Approx. 410,000		<b>Color bar</b>	SMPTE color bar (setup 0/7.5% IRE)	
	Effective number of pixels		Approx. 380,000		<b>Shutter speed</b>
<b>Imaging area</b>	4.8(H) x 3.6(V) (equivalent to 1/3")	6.4(H) x 4.8(V) (equivalent to 1/2")	<b>Gain</b>	AGC LOW/HIGH, 0 dB - 30 dB, night eye	
<b>Scanning system</b>	2:1 interlaced NTSC system			AGC LOW/HIGH, 0 dB - 30 dB, night eye LOW/HIGH	
<b>Scanning frequency</b>	Horizontal: 15.734 kHz, vertical: 59.94 Hz				
<b>Lens mount</b>	1/3" C mount *	1/2" standard bayonet mount	<b>Iris</b>	Auto (manual control is only possible when using RCU or control panel.)	
<b>Synchronization system</b>	Internal/external synchronization		<b>Video output</b>	NTSC composite 1.0 V (p-p)/75Ω (BNC connector, 50-pin D-sub connector)	
<b>Standard brightness</b>	2,000 lx (3,200K F8)	2,000 lx (3,200K F11)		YC:Y:1.0 V (p-p), C:0.286 V (p-p) (50-pin D-sub connector)	
<b>Minimum brightness</b>	1.5 lx (F1.4 night eye mode)	0.25 lx (F1.4 night eye HIGH mode)	<b>Power supply voltage</b>	12 V DC	
<b>S/N</b>	63 dB (DNR ON)	65 dB (DNR ON)	<b>Power consumption</b>	Approx. 9.6 W	
<b>Horizontal resolution</b>	800 lines (High band DTL ON)	850 lines (High band DTL ON)	<b>Operating temperature</b>	-10 °C ~ +45 °C	
<b>Registration</b>	0.05%		<b>External dimensions</b>	84mm(width) x 77mm(height) x 146mm(long)	84mm(width) x 77mm(height) x 155mm(long)
<b>Outline correction</b>	Horizontal/vertical (both operative)		<b>Weight</b>	Approx. 0.7 kg	Approx. 0.86 kg
<b>White balance</b>	Self-adjusting A/B 2-memory, manual fine adjustment, ATW, 3200K, 5600K				

\* Note: The lens should be within 4.3mm from the lens mount face. Otherwise, there is a risk of damaging the camera unit.

## ■ External dimensions



●Product names and company names mentioned here are brand names or registered trademarks of their respective companies.

●All TV pictures are simulated. ●Weights and dimensions are approximate. ●Specifications are subject to change without notice. ●These products may be subject to export control regulations.

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