

Panasonic[®]

3-CCD Digital Processing Camera

AW-F575



digital
3-CCD DIGITAL PROCESSING CAMERA
F575

A high-resolution 4:2:2 digital component recording system. Compatible with 50 system dockable VTR.

A high-spec 3-CCD digital processing camera with 850 horizontal resolution lines, 65dB S/N, and 0.5 lx minimum brightness, is now possible for docking with DVCPRO50 system VTR. Improved high-resolution and high sound quality makes it suitable for high-end post-production work.



* Photograph shows AW-F575 fitted with separately available AJ-D90.

AJ-D90 compatible



Increased quality image recording now integrated with the AJ-D90 VTR. (Direct dock-no adapter necessary.)

High quality shooting or extended length shooting can be selected by switching between DVCPRO50 and DVCPRO25 recording. Selecting the DVCPRO50 format allows approximately 33 minutes of recording high resolution 4:2:2 images on 1/4-inch cassettes. Selecting DVCPRO25 format allows up to 63 minutes of recording.

- High-quality digital audio recording and analog queue sound recording are possible.
- Recorded images can be played back via monochrome viewfinder. Full-color playback is also possible via an external monitor.
- Compatible with a wide range of manufacturers' batteries as well as Panasonic AU-BP402 and AU-BP220.
- Incorporates a wide range of features, including time code recording and on-screen display settings.

Uses 10-bit DSP to achieve 850-line horizontal resolution and 65dB S/N

Incorporates 10-bit DSP for increasing high band of image signal processing circuits, and uses a high-precision contact system to the prism system. In addition to achieving 850-line horizontal resolution and 65dB S/N high specification, use of digital technology makes possible high resolution, high reliability, small size and light weight.

Highlight compression achieving approximately 600% dynamic range

Employs highlight chroma to greatly alleviate color flare from bright areas. Highlight compression achieving a dynamic range of approximately 600% gives outstanding color reproduction characteristics even when shooting outdoors.

Clean DNR reduces noise without resolution deterioration

Features an algorithm system clean DNR. This achieves a high S/N ratio eliminating noise without causing after-images or resolution deterioration that occurs with previous digital noise reduction.

HS-FIT CCDs achieves high sensitivity with low smear

Incorporates high density (approx. 400,000 pixels) 1/2-inch HS-FIT CCDs. Also employs a Night Eye mode with a dual pixel sampling system, achieving high sensitivity for minimum subject brightness of 0.5 lx (F1.4, Night Eye High), at the same time with -125dB low smear.

Features a wide range of digital functions, including set-up and scene files

Scene file data and safety zones can be set using the switches inside the pocket on the side of the camera while looking at the subject or down the viewfinder. Scene file functions are also included, enabling easy controls for changes in shooting conditions.

Scene file functions

User mode (A/B)	Camera data can be set as desired.
Wedding/ceremony mode	Used for shooting in churches or chapels, etc.
Indoor/party mode	For reception halls, event halls, cable TV/school/business studios, etc.
Outdoor mode	Prevents white flare in outdoor locations.









Other features

- At-a-touch back-lighting correction.
- Incorporates synchro-scan for shooting computer screens.
- Employs high resolution 1.5-inch electronic viewfinder.
- Camera, lens, pan/tilt can be controlled from RCU.

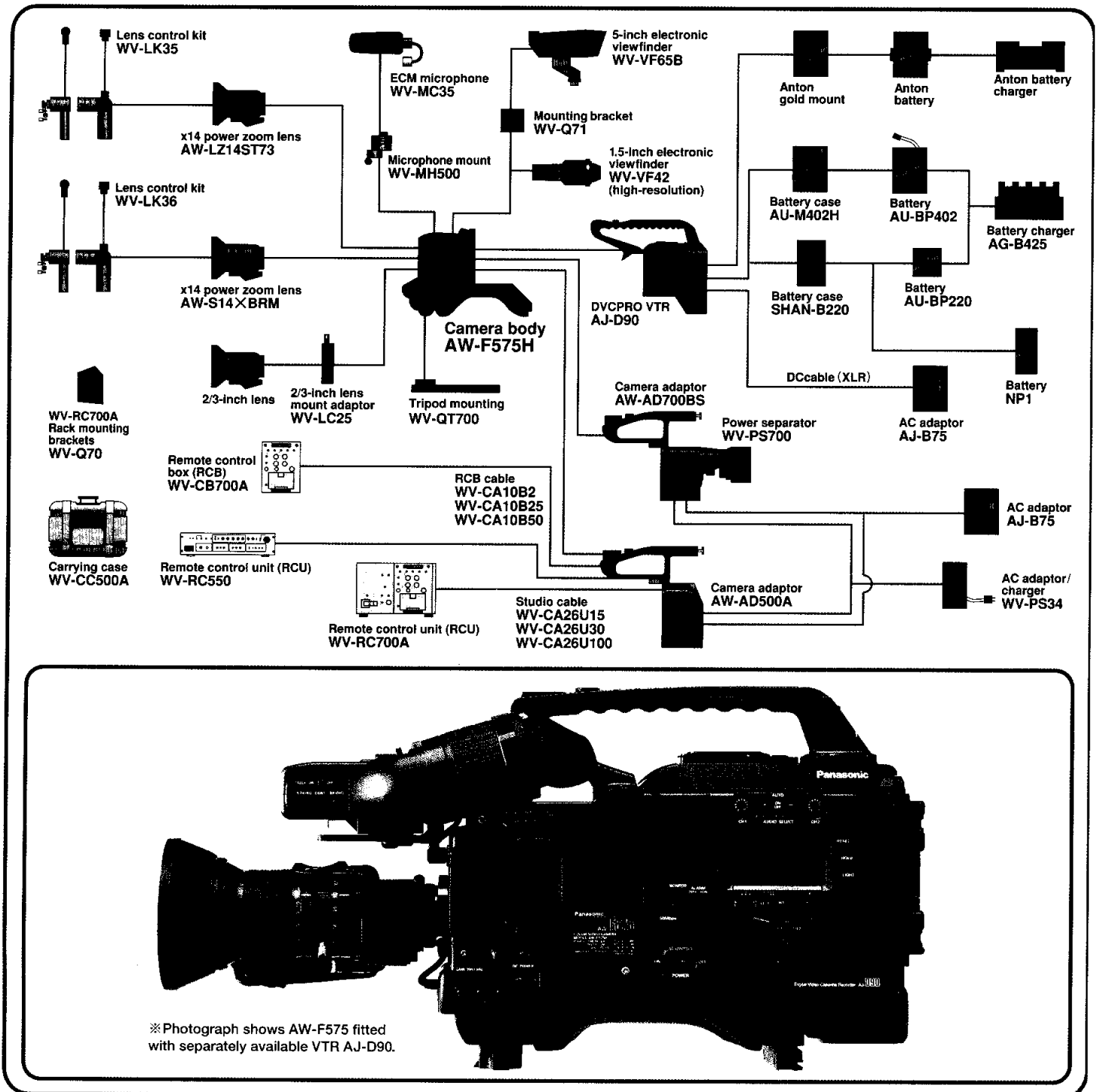
● Switch Sensor. "Panasonic" Exclusive.

How often have you missed part of a shot because you were tumbling for the gain or the white balance switch. With Panasonic's Switch Sensor function, you simply touch the switch and you get an indication in the viewfinder that tells you exactly which switch your finger is on.

System Accessories

Camera body	Camera adaptors · VTR	Lenses	Viewfinder	
 Camera body AW-F575H	   AW-AD500A AW-AD700BS <small>(coaxial system possible)</small> AJ-D90	  x14 power zoom lens (Canon) AW-LZ14ST73 x14 power zoom lens (Fujinon) AW-S14XBRM 2/3-inch lens mount adaptor WV-LC25	  5-inch electronic viewfinder WV-VF65B <small>※ Requires mounting bracket WV-Q71</small> 1.5-inch electronic viewfinder WV-VF42 <small>(High resolution)</small>	
Lens control kits	Microphones	Remote control units	Cables	Miscellaneous
Canon lens control kit WV-LK35 Fujinon lens control kit WV-LK36	High-performance ECM microphone WV-MC35 Microphone mount WV-MH500	RCU WV-RC700A WV-RC550 RCB WV-CB700A Power separator WV-PS700	RCB cable WV-CA10B02 <small>(10P-10P, approx. 2m)</small> WV-CA10B25 <small>(10P-10P, approx. 25m)</small> WV-CA10B50 <small>(10P-10P, approx. 50m)</small> Studio cable WV-CA26U15 <small>(26P-26P, approx. 15m)</small> WV-CA26U30 <small>(26P-26P, approx. 30m)</small> WV-CA26U100 <small>(26P-26P, approx. 100m)</small> VTR cable WV-CA26A26 <small>(26P-26P, approx. 7m)</small>	Tripod mount WV-QT700 Cable joint adaptor WV-CA26T26 <small>(26P-26P)</small> AC adaptor WV-PS34 Betacam adaptor WV-VT16A Carrying case WV-CC500A Rack mounting brackets WV-Q70

System applications



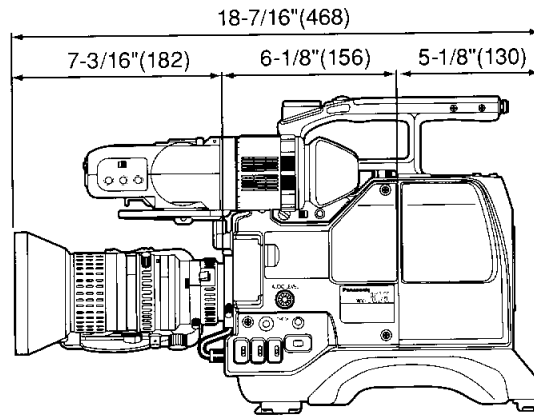
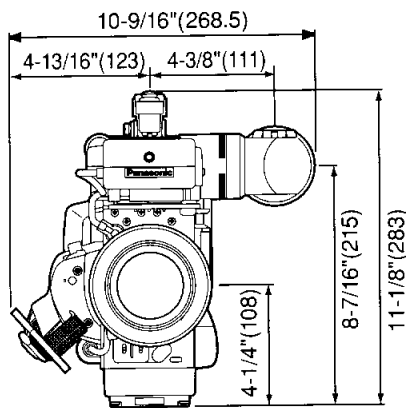
■ Camera body AW-F575H ratings

Imaging elements	FIT system 3-CCD, 771(H) x 492(V) pixels (total pixel number)
Imaging area	6.4(H) x 4.8(V) (equivalent to 1/2-inch)
Scanning system	2:1 interlaced, 525 lines, 60 fields, 30 frames
Synchronization system	Internal/external synchronization
Genlock input	1.0V p-p composite signal or black burst signal/75Ω (BNC connector)
Video output	NTSC composite 1.0V(p-p)/75Ω (BNC connector)
Standard brightness	2,000lx (3,200K, F8)
Minimum brightness	0.5lx (F1.4 Night Eye mode)
S/N	65dB (2,000lx, F8 [excluding gamma, outline correction, chroma]) Y signal, DNR High)
Horizontal resolution	850 lines (central area), (High band DTL ON)
Registration	0.05% (entire screen area)
White balance	Self-adjusting A/B 2-memory preset (ATW)
Black balance	Self-adjusting (with pulse canceler)
Color bar output	Built-in SMPTE color bar, ID, date, text display function, variable 0/7.5% set-up
Color temperature filters	3,200K, 5,600K + 1/16ND filter, 5,600K
Outline correction circuit	Horizontal, vertical (both operative)
RCB connector	10P connector (max. cable extension 100m)
Electronic shutter	1/100, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000, E.L.C. synchro-scan (variable range: 60.5 - 250Hz)

Switch functions	Lens aperture control, auto-white/auto-black, VTR start/stop, power, Bar/Night Eye/Camera selection, AWC A/AWC B/Presets selection, gain-up Low/Mid/High, camera check, clean ONR selection, highlight chroma on/off, back-lighting correction on/off, detail level selection, Rec Time reset, electronic shutter on/off, scene file (1/2/3 user), user set off/1/2, page, item, up, down, I-noise, safety zone, level indicator.
Adjustment functions	Total pedestal, automatic aperture adjustment, audio level adjustment (only when AU-45H is fitted.)
Lens mount	1/2-inch bayonet mount
Character display function	Viewfinder interior (operating status, calendar, time, camera ID, safety zone display, zebra level display, scene file setting, initial file setting, switch display, low-light display)
Power supply	12V DC (including camera adaptor) VTR internal batteries, battery pack, AC adaptor, external DC power supply, RCU.
Power consumption	Camera body: Approx. 11.4W ENG specifications: (camera head + WV-AD500 + 1.5-inch electronic viewfinder): Approx. 16W Studio specifications: (camera head + WV-AD500 + 5-inch electronic viewfinder): Approx. 25.6W
Operating temperature range	-10°C ~ +45°C
Humidity	30% ~ 90%
Dimensions	5-1/4"(W) x 9-5/8"(H) x 11-5/16"(D) [134(W) x 245(H) x 287(D) mm]
Weight	Approx. 2.2kg
Finish	Leather tone color Munsell N1(approx)

■ Dimensions

● ENG (Camera Head AW-F575H with AW-AD500A)



Units : inches(mm)

●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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