

2006

BROADCAST CATALOGUE



IT Series
HD Series
SD Series
Flexible Series
Media

IT SERIES

- NEW!** AG-HVX200, P2 miniCam
- NEW!** AG-HVX200, Accessories
- AJ-SPX900, P2Cam
- AJ-SPX800, P2Cam
- NEW!** AJ-SPC700, P2Cam
- NEW!** AJ-HPM100, P2 mobile Recorder
- NEW!** AJ-PCS060, P2Store
- AJ-SPD850, P2Deck
- NEW!** AJ-PCD20, P2Drive
- P2Cards, 4, 8 GB
- P2Viewer

HD SERIES

- AJ-HDC27H, DVCPROHD Varicam
- NEW!** AJ-HDX900, DVCPROHD Camcorder
- NEW!** AJ-HD1400, DVCPROHD Desktop VTR
- NEW!** AJ-HC910L, HD Flexible Camera
- NEW!** AK-HC1500G, HD Flexible Camera
- NEW!** AV-CGP500, Graphics Processor
- NEW!** BT-LH2600WE, HD/SD multi-format Monitor
- BT-H1700WE, HD/SD multi-format Monitor
- BT-LH900A, HD/SD Monitor
- Monitors, Table of Formats

SD SERIES

- AJ-SDC905, DVCPR050 Camcorder
- AJ-SDC615, DVCPR0 Camcorder
- AG-DVX100B, miniDV Camcorder
- AG-DVC60, miniDV Camcorder
- AG-DVC30, mniDV Camcorder
- AJ-SD965, DVCPR050 Studio VTR
- AJ-SD930B, DVCPR050 Studio VTR
- AJ-SD93, DVCPR050 Desktop Editing VTR
- AJ-SD755, DVCPR0 Studio VTR
- AJ-D455E, DVCPR0/DV Studio Editing VTR
- AJ-SD255, DVCPR0 Desktop VTR
- AG-DV2500, DV/miniDV VTR
- LQ-MD800, DVD Recorder
- AG-MX70, Digital A/V Mixer
- AW-SW350, Live Switcher

FLEXIBLE SERIES

- NEW!** AW-E860L, Flexible Camera
- AW-E750, Flexible Camera
- AW-E655, Flexible Camera
- AW-E650, Flexible Camera
- AW-E350, Flexible Camera
- AW-PH650, Outdoor Pan-Tilt System
- AW-PH400, Indoor Pan-Tilt System
- AW-RL400
- AW-RP400, Control Panel
- NEW!** AW-CB400, Control Box
- NEW!** AW-RC400
- NEW!** AW-PH360L, Indoor Pan-Tilt System
- NEW!** AW-RP655, Control Panel
- NEW!** AW-RP555, Control Panel
- NEW!** AW-RC600
- AW-IF400
- AW-CB650, Control Box

MEDIA

- DVCPR0HD/EX, Tapes
- DVCPR050, Tapes
- DVCPR0, Tapes
- DV, Master Tapes
- DV, Professional Tapes
- D5, Tapes

INFORMATION

- Contact addresses

The accessories shown with the products in this pdf catalogue are not necessarily part of their standard fittings. Orders must be confirmed in writing before products can be delivered. The availability of equipment described in this catalogue can vary from one sales region to another. Specifications are subject to change without notice.



Manual audio controls



Rear view



Side view



DVCPROHD

DVCPRO50

DVCPRO

DV



AG-HVX200

P2minicam – 1/3" 3IT-CCD Camcorder

NEW!

CAMERA FEATURES

- Three 1/3" IT CCD image sensors
- Recording format (P2 Card):
DVCPROHD – 1,080i/50i, 720p/50p,
720p/25p (over 50p), 720p/25p (native recording)
DVCPRO50/DVCPRO/DV – 576i/50i, 576i/25p (over 50i)
- Recording format (mini DV tape):
DV – 576i/50i, 576i/25p (over 576i/50i)
- Switchable camera frame rate of 12–50 fps
- Leica Dicomar™ lens F1.6 (f=4.2–55 mm) with optical 13x zoom
35 mm equivalent: 32.5–423 mm
- Digital zoom functions
- Minimum luminance 3 lx
- Optical image stabilizer
- Gain of up to +12 dB
- Automatic white balance, ATW (automatic tracking white) balance
- 0.44" viewfinder (235,000 pixel)
- 3.5" LC display (210,000 pixel)
- Manual and automatic focus
- Manual and automatic iris
- Two optical ND filters (1/8, 1/64)
- Filter diameter 82 mm
- Internal speaker

STANDARD ACCESSORIES

AC adapter/charger
AC cable
DC cable
Battery 5.4 Ah
Wireless remote controller
Microphone holder
Component video cable
Shoulder strap
P2 Viewer (CD-ROM)
User's manual

OPTIONAL ACCESSORIES

AJ-MC100G	Microphone XLR
CGA-D54S	Battery, 5.4 Ah
CGP-D28S	Battery, 2.8 Ah
IEEE1394	Interface cable

GENERAL SPECIFICATIONS

Power requirements	7.2 V/7.9 V DC
Power consumption	11.6 W (incl. viewfinder on) 12.0 W (incl. LCD monitor on) 14.0 W (max.)
Weight	2.85 kg / 6.3 lbs (incl. P2 Cards and battery 5.4 Ah)

P2 CARD RECORDING FEATURES

- Digital component recording up to data rate of 100 Mbps (DVCPROHD/DVCPRO50/DVCPRO/DV)
- PCM audio recording
- Hot-swap recording
- IT connection via USB 2.0/IEEE1394
- Clip thumbnail function
- Shot marker function
- Microphone connector with phantom power supply (+48 VDC on/off)
- Dump function, data transfer to external HDD



External recording with IEEE1394 streaming

The IEEE1394 interface can be used to control an external device synched with the camera's Start/Stop button, making it easy to create backup recordings. Compatible devices include the AJ-HD1400, AJ-HD1200A (for DVCPROHD recording), the AJ-SD93 (DVCPRO50, DVCPRO) and the AG-DV2500 (DV). Also, when used with the Focus FireStore FS-100, the AG-HVX200 can provide extended-time recording in all codec formats, including DVCPROHD (except in native recording mode)



Image Converter for more control over depth of field

The MINI35 Image Converter by P+S Technik is a work tool that offers the chance to create visual effects in video which before could only be obtained in 35 mm film. With the MINI35 you can use 35 mm film or still photography lenses in connection with your AG-HVX200 to achieve more depth of field. The depth of field, focus length and angle of view are virtually the same as with a 35 mm film camera. Accessories as the MINI35 Breakout Box allows you to use a professional viewfinder and a shoulder set.



Zoom grip for professional recording and lens control

The Zoe-dvx is a zoom grip for any Panasonic Camcorder with Cam Remote Input socket. Beside of the usual Rocker Switch, you can remotely control the Zoom function with the two buttons "Tele" and "Wide. You can pre-adjust the speed of the Zoom. The speed in each direction (tele and wide) is independent of each other. The "Record" knob controls remotely the Record function of the camera. This knob is bigger than the other two, allowing the user to recognise it with finger tips.



Perfect camera balance

The artemis DV Pro is specially designed for professional HD cameras as the AG-HVX200. Functionality and quality are the foremost priorities. Curt Schaller, developer of the system and himself a camera operator, comments: "Lightweight cameras are increasingly used in film and TV productions because of growing cost pressure. For this reason, professional operators should be able to benefit from the same technical features they expect from larger stabilizing systems."





Five slots for P2 cards



Option slot



3.5" LCD Monitor



DVCPRO50

DVCPRO

DV



AJ-SPX900 / AJ-SPX800

P2 cam – 2/3" 3IT-CCD Camcorder (16:9/4:3)

STANDARD ACCESSORIES

Shoulder strap
Adaptor for Anton/Bauer digital battery
User's manual

OPTIONAL ACCESSORIES

AJ-HT901	Flight case
AJ-MC700	Microphone kit
AJ-MH700	Microphone holder
AJ-SC900	Soft case
AJ-VF15B	1.5" viewfinder (high grade 4:3)
AJ-VF20WB	2" viewfinder (16:9/4:3)
AJ-YA902G	SDI output board
AJ-YAD800G	IEEE1394 option
AJ-YAX800G	Proxy option
SHAN-RC700	Rain cover
SHAN-TM700	Tripod adaptor

GENERAL SPECIFICATIONS

Power requirements	12 V (11–17 V)
Power consumption	27 W incl. SDI & IEEE1394, LCD monitor ON
Weight	Approx. 4.2 kg / 9.2 lbs

CAMERA FEATURES

- Three 2/3" 600,000 pixel IT CCD image sensors
- Fully supports 25p shooting mode
- Gamma curve for News
- Digital signal processing with matrix colour correction
- 14 bit A/D quantization
- 2,000 lx sensitivity at f13
- Minimum illumination: 0.01 lx (at f1.4 / +20 dB)
- 2x digital zoom
- Customized user buttons and menu
- Automatic white/black balance
- Switchable from 16:9 to 4:3
- Synchro-scan for flicker-free recording from data monitors
- EBU colour bar generator
- Gain selection up to +68 dB digital super gain
- Built-in gen-lock function
- Built-in 3.5" LCD Monitor
- Bayonet mount for 2/3" lenses
- Optical filter wheel ND and CC (AJ-SPX900)
- Optical filter wheel ND/CC (AJ-SPX800)
- Individual camera configuration with up to 8 preset files

P2 CARD RECORDING FEATURES

- Digital component recording up to data rate of 50 Mbps (DVCPRO50/DVCPRO/DV)
- PCM audio recording
- Instant record start
- Hot-swap recording
- Loop recording
- Pre-recording function
- Proxy data recording (option)
- PC connection via USB 2.0
- Clip thumbnail function
- Voice memo and shot marker
- Built-in EBU/SMPTE time code generator / reader (LTC/VITC user bits)
- Built-in monitor speaker, 2 earphone outputs
- Microphone connector with phantom power supply (+48 VDC on/off)
- Built-in slot for microphone receiver
- SDI out & IEEE1394 in/out (optional)



AJ-SPC700

P2 cam – 2/3" 3IT-CCD Camcorder (16:9/4:3)

NEW!

CAMERA FEATURES

- Three 2/3" 600,000 pixel IT CCD image sensors
- Digital signal processing with matrix colour correction
- 14 bit A/D quantization
- 2,000 lx sensitivity at f11
- Minimum illumination: 0.5 lx (at f1.4 / +36 dB)
- Customized user buttons and menu
- Automatic white/black balance
- Switchable from 16:9 to 4:3
- Shutter speed 1/60, 1/120, 1/250, 1/500, 1/1,000, 1/2,000 s
- Synchro-scan shutter 1/50.4–1/248 s
- EBU colour bar generator
- Gain [–3/0/+3/+6/+9/+12/+15/+18/+21/+24/+27/+30 dB selectable 3-position (L/M/H)]
- Super Gain (+30/+36 dB)
- Built-in gen-lock function
- Built-in 3.5" 200,000 pixel LCD Monitor
- Bayonet mount for 2/3" lenses
- Optical filter wheel (3200K, 5600K+1/8 ND, 5600K, 5600K+1/64 ND)

STANDARD ACCESSORIES

Shoulder strap
Front audio volume knob
Screw M2 x 6 mm (XYNZ & J6FZ)
User's manual

OPTIONAL ACCESSORIES

AJ-B75	AC adaptor
AJ-EC3	Extension control unit
AJ-HT901G	Hard carrying case
AJ-MC700	Microphone kit
AJ-MH800G	Microphone holder
AJ-SC900	Soft Carrying Case
AJ-VF15BE	1.5" viewfinder (4:3)
AJ-VF20WB	2" viewfinder (16:9/4:3)
AJ-YAD800G	IEEE interface board
AJ-YAX800G	Video encoder card
SHAN-RC700	Rain Cover
SHAN-TM700	Tripod adapter
AC adaptor/ Battery charger	Anton/Bauer
Battery Pack	Anton/Bauer
Ultra Light	Anton/Bauer
SD Memory Card	

GENERAL SPECIFICATIONS

Power requirements	DC 12 V (11–17 V)
Power Consumption	17 W (without option, LCD monitor off)
Weight	Approx. 4.1 kg (9.24 lbs)
Dimensions (WxHxD)	137 x 209 x 318 mm / 5.4" x 8.3" x 12.5"

P2 CARD RECORDING FEATURES

- Digital component recording up to data rate of 50 Mbps (DVCPR050/DVCPR0/DV)
- 4-channel PCM audio recording
- Instant record start
- Hot-swap recording
- Loop recording
- Pre-recording function
- Clip thumbnail function
- Colour playback
- Built-in EBU/SMPTE time code generator / reader (LTC/VITC user bits)
- Built-in monitor speaker, 2 earphone outputs
- Microphone connector with phantom power supply (+48 V DC on/off)
- Built-in slot for microphone receiver



DVCPROHD

DVCPRO50

DVCPRO

DN



STANDARD ACCESSORIES

User's manual

AJ-HPM100

P2 mobile recorder with multi format support

NEW!

- HD/SD switchable (DVCPROHD/DVCPRO50/DVCPRO/DV)
- Up convert function (from SD to HD)
- Portable field recorder/player
- Compact and lightweight design
- Field playlist making function
- Jog/Shuttle wheel
- Six P2 card slots
- SD Memory Card slot
- Edit functions (edit copy, audio split, voice over)
- Playlist function
- 9" wide colour LCD monitor
- Built-in stereo speakers
- On-screen display for easy set-up and operation
- 4-channel PCM audio 48 kHz/16 bit

CONNECTORS

- SDI in/out, HD/SD switchable
- IEEE1394a (AV/C)
- USB 2.0 (host/device)
- Analogue composite in/out
- Analogue HD component signals in
- Analogue 4-channel audio in/out
- Reference signal
- Time code in/out (XLR)
- RS-422A machine control
- DC and AC operation



STANDARD ACCESSORIES

User's manual

GENERAL SPECIFICATIONS

Power requirements 7.9 V DC
 Dimensions (WxHxD) 90 x 40 x 180.5 mm /
 3.5" x 1.7" x 7.1"
 Weight 630 g / 1.43 lbs

AJ-PCS060

P2 store – portable hard disk drive

NEW!

- Battery powered hard disk drive
- Easy download of files from P2 camcorders
- One touch function
- Allows immediate re-use of P2 memory cards
- One P2 card slot
- Up to 240minutes recording time with 60 GB HDD
- Battery meter

CONNECTORS

- USB 2.0
- 12 V DC

DVD-RAM/R drive (optional)



Five P2 card slots



Rear connector panel



DVCPRO50

DVCPRO

DN



STANDARD ACCESSORIES

Mains cable
User's manual

OPTIONAL ACCESSORIES

AJ-DVD850G	DVD option
AJ-MA75	19" rack mount bracket
AJ-YA755	SDI option
AJ-YAD850G	IEEE1394 option

GENERAL SPECIFICATIONS

Power requirements	100-240 V, 50/60 Hz
Power consumption	105 W
Dimensions (WxHxD)	424 x 175 x 430 mm / 16.7" x 6.9" x 16.9"
Weight	15 kg / 33.1 lbs

AJ-SPD850

P2 deck (Memory Card recorder)

- Digital component recording up to data rate of 50 Mbps (DVCPRO50/DVCPRO/DV)
- Switchable between 625 and 525 line operation (SDI only)
- Sampling 4:2:2/13.5 MHz
- Better than 55 dB signal/noise ratio
- Five P2 card slots
- SD Memory Card slot
- Slot for DVD-RAM/R (option)
- Up to 160 minutes recording time with P2 card AJ-P2C008HG (x5)
- Built-in EBU/SMPTE time code generator/reader (LTC/VITC user bits)
- Digital slow motion -1/+1
- Playlist function allows VTR-like non-linear editing
- +/-100x shuttle search speed
- 3.5" colour LCD monitor
- On-screen display for easy machine set-up and operation
- 4-channel PCM audio 48 kHz/16 bit
- 4U rack size

CONNECTORS

- SDI in/out (BNC), optional
- IEEE1394, optional
- USB 2.0
- Ethernet (optional)
- Analogue component signals out (BNC)
- Analogue component signals in (BNC)
- Analogue composite signal out (BNC)
- Analogue audio in (XLR)
- Digital audio (BNC)
- Audio monitor (XLR L/R)
- Reference signal (BNC)
- Time code in/out (XLR)
- RS-422A machine control
- RS-232C interface



DVCPRO HD

DVCPRO 50

DVCPRO

DN

STANDARD ACCESSORIES

User's manual

GENERAL SPECIFICATIONS

Power requirements 12 V (11–17 V)
 Dimensions (WxHxD) 148.4 x 42.5 x 199 mm /
 58.4" x 16.7" x 78.3"
 Weight 1.2 kg / 2.6 lbs



AJ-PCD20

P2 drive

NEW!

- External use as a stand-alone unit
- Internal use on a desktop PC with 5"/12.7 cm bay
- Five P2 card slots
- Data transfer in high speed USB 2.0 standard and IEEE1394b
- Direct editing on P2 card(s) with non-linear editing software
- Supported by Windows XP, Windows 2000 and Mac

CONNECTORS

- IEEE1394b
- USB 2.0

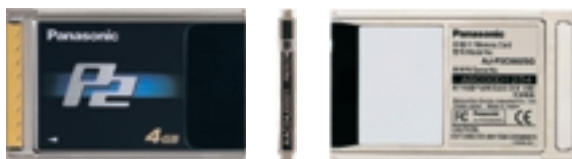


Stand alone application



Desktop application (Built in P2 drive)

30,000 times insert/removal connector reliability, with write protect switch



DVCPROHD DVCPRO50 DVCPRO DV



P2 card

The super-slim card that's transforming news gathering

NEW!

- Solid state memory card for professional AV use
- Records DVCPROHD, DVCPRO50, DVCPRO and DV data (MXF)
- Compliant with PC card standards (type II)
- Plugs directly into the card slot of a laptop PC/MAC
- Immediate use, direct access to the content
- No digitizing necessary
- Easy data transfer over a network
- Based on the successful SD Memory Card
- Compact, thin and reliable
- Insertion/removal tests >30,000 cycles
- Rewritable >100,000x
- Anti shock / Anti vibration proved
- Hardware switch for write protection
- Power consumption 1.5 W

Category	Model number	Capacity indication	Approx. recording time			Data transfer speed (max.)
			DVCPRO	DVCPRO50	DVCPROHD	
4 GB P2 card	AJ-P2C004HG	4 GB	16 min.	8 min.	4 min.	640 Mbps
8 GB P2 card	AJ-P2C008HG	8 GB	32 min.	16 min.	8 min.	640 Mbps

P2 VIEWER

Available as a free download for P2 users.

P2 Viewer lets you use a Windows PC to view and manipulate clips recorded onto P2 cards.

P2 Viewer's sophisticated graphical user interface makes it easy to access and use P2 file functions.

To download P2 Viewer:

<http://panasonic.biz/sav/p2/>





DVCPROHD



VARIABLE FRAME



AJ-HDC27H Varicam

2/3" IT-3CCD HD Cinematography Camcorder with variable frame rate

STANDARD ACCESSORIES

Shoulder strap
Adaptor for Anton/Bauer digital battery
User's manual

OPTIONAL ACCESSORIES

AJ-B75	AC adaptor
AJ-EC3	Camera remote control
AJ-HT901	Flight case
AJ-HVF27	2" viewfinder
AJ-MC700	Microphone kit
AJ-MH700	Microphone holder
AJ-SC900	Soft case
SHAN-RC700	Rain cover
SHAN-TM700	Tripod adaptor
WM-L30	RAMSA condenser microphone

GENERAL SPECIFICATIONS

Power requirements	12 V (11–17 V)
Power consumption	30 W without viewfinder
Weight	Approx. 7.6 kg / 16.7 lbs (fully operational)

CAMERA FEATURES

- Three 2/3" 1,000,000 pixel high-definition IT-3CCD image sensors
- 57 shooting frame rates: 4p ... 24p, 25p ... 60p
- Advanced 12 bit digital signal processing
- 24p shooting sensitivity: f12/2,000 lx, 50 % shutter, 640 ASA
- 60p shooting sensitivity: f10/2,000 lx
- Cine-gamma function
- Built-in scan reverse function
- Lens for 35 mm film camera can be used with lens adaptor
- Optimum colour fidelity – programmable 12 pole linear matrix
- Variable shutter (synchro-scan)
- Selectable optical filters ND, CC
- 8 scene files (4 using internal memory, 4 using SD Memory Card)
- Adoption of film accessories possible (ARRI, Chrosziel ...)

VTR FEATURES

- DVCPROHD (100 Mbps) digital component recording
- Recording format: 720/60p
- Maximum recording time: 32 minutes
- Time lapse function
- HD-SDI output (720/60p)

The camera remote control unit AJ-EC3 enables a multitude of camera functions to be set up.



DVCPROHD EX



AJ-HDX900

2/3" 3CCD HD Camcorder

NEW!

CAMERA FEATURES

- Three 2/3" 1,000,000 pixel progressive 3CCD image sensors
- Shooting mode: 1,080/60i, 30p, 24p (2:3), 24pA, 1,080/50i, 25p, 720/60p, 30 p & 24p over 60p, 720/50p, 25p over 50p
- IEEE1394 output with back-up rec. support
- 14 bit camera A/D process
- High sensitivity: F10/2,000 lx
- Minimum illumination: 0.032 lx at 62 dB (super gain +48 dB, digital super gain +20 dB, line mix gain +6 dB)
- Digital super gain mode +6 dB ... +20 dB
- Cine-gamma function
- Built-in gen-lock function
- Optimum colour fidelity – programmable 12 pole linear matrix
- Variable shutter (synchro-scan)
- Two optical filters ND, CC
- Eight scene files (4 using internal memory, 4 using SD Memory Card)
- Adoption of film accessories possible (ARRI, Chrosziel ...)

STANDARD ACCESSORIES

Shoulder strap
Adaptor for Anton/Bauer digital battery
User's manual

OPTIONAL ACCESSORIES

AJ-HVF21	2" viewfinder
AJ-HT901	Flight case
AJ-MC900	Microphone kit
AJ-MH800	Microphone holder
AJ-RC10	Remote Control Unit (RCU)
AJ-SC900	Soft case
SHAN-RC700	Rain cover
SHAN-TM700	Tripod adaptor

GENERAL SPECIFICATIONS

Power requirements	12 V (11–17 V)
Power consumption	Approx. 34 W

VTR FEATURES

- DVCPROHD LP (100 Mbps) digital component recording
- Recording tape format: DVCPROHD EX
- Recording format: 1,080/25p, 30p, 50i, 60i, 720/50p, 60 p
- Maximum recording time: 33 minutes with M cassette
- Interval REC, One shot REC
- HD-SDI and D/C output
- Pre-recording function (7 seconds)
- Slot for wireless microphone receiver

Rear connector panel



STANDARD ACCESSORIES

Mains cable
User's manual

OPTIONAL ACCESSORIES

AJ-CS455	Mini-DV cassette adaptor
AJ-YA120AG	SDI HD in/out board and SDI SD out board
AU-C5	5 m 9-pin RS-422A remote cable

GENERAL SPECIFICATIONS

Power requirements	100-240 V, 50/60 Hz
Power consumption	97 W
Dimensions (WxHxD)	214 x 132 x 430 mm / 8.4" x 5.2" x 16.9"
Weight	8.2 kg / 18.1 lbs

AJ-HD1400

DVCPROHD Player/Recorder with interfaces (e.g IEEE1394)

NEW!

- Record format: 1,080/25p, 30p, 50i, 60i, 720/50p, 60p
- Support for 720/50p
- Editing capability (assemble, insert, simple joy stick, D-sub)
- Direct playback of "ON" speed (24p or 25p) Varicam recording
- Playback DVCPROHD, DVCPRO50, DVCPROP, DVCPRO, DV, MiniDV and DVCAM™ material
- Up to 64 min. HD recording time with L cassette
- Standard HD/SDI (according to SMPTE-292M)
- Built-in down converter
- Built-in up converter for SD tape playback
- Digital 8-channel recording for 5.1 surround sound and stereo
- Auto back function for seamless recording
- Rec-inhibit switch
- Joystick controller for video search and menu setting
- Programmable function buttons
- TAPE/EE output selector
- Headphone output with volume control
- AC/DC 12 V operation
- All in one model (incl. IEEE1394, HD-SDI, SD-SDI, Up-con)

CONNECTORS

- HD SDI in/out (BNC)
- Reference in/out (BNC), loop through (BNC)
- SD SDI video, -HD component out (BNC)
- 2 x SD composite (BNC)
- Analogue audio in (XLR)
- Analogue audio out (XLR)
- Digital audio AES/EBU in/out (BNC)
- Phones (M6 jack)
- IEEE1394 in/out
- Time code in/out (BNC)
- RS-422A machine control (9-pin)
- DC out
- DC in



AK-HC910

2/3" FIT-3CCD multi purpose HD camera

NEW!

- Three 2/3" 2,200,000 pixel FIT CCD image sensors
- Total number of pixels 2,010 (H) x 1,088 (V)
- Effective number of pixels 1,920 (H) x 1,080 (V)
- Shooting mode 1,080/50i
- Enhanced DTL signal processing in horizontal and vertical directions
- Smear less than -135 dB
- Sensitivity 2,000 lx sensitivity at f10
- Minimum illumination 0.15 lx (F1.4/48 dB)
- Gain mode 0/+9/+18/+30/+42/+48 dB
- Optimum colour fidelity – programmable 12 pole colour vector matrix
- Optical filters (ND, CC)
- Variable shutter (synchro-scan)
- Bayonet mount for 2/3" lenses
- Low power consumption
- Compact design

STANDARD ACCESSORIES

User's manual

OPTIONAL ACCESSORIES

AK-HRP900 Camera control box
AW-CAK4H9 P/T adaption cable

GENERAL SPECIFICATIONS

Power requirements 12 V (11–17 V)
Power consumption Approx. 20 W
Weight Approx. 1.8 kg / 3.9 lbs
Dimensions (WxHxD) 110 x 125 x 180 mm /
4.3" x 4.9" x 7.1"

CONNECTORS

- HD-SDI (2 x BNC)
- Video out, YPbPr (BNC)
- Camera connector (D-Sub 15-pin)
- Sync in (Tri-level sync)
- Control system (RS422)
- Iris control
- Zoom & focus control

Side view



AK-HC1500

2/3" IT-3CCD multi format HD camera

NEW!

- Three 2/3" 1,000,000 pixel CCD image sensors
- Total number of pixels 1,380 (H) x 744 (V)
- Effective number of pixels 1,280 (H) x 720 (V)
- Shooting mode
 - 1,080: 60i/59.94i/50i/30fps/29.97fps/25fps/24fps/23.98fps
 - 720: 60p/59.94p/50p
- 14 bit A/D quantization
- Variable frame rate (4-60 fps)
- Cine-gamma function
- Enhanced DTL signal processing in horizontal and vertical directions
- Smear less than -130 dB
- 2,000 lx sensitivity at f10
- Minimum illumination 0.015 lx (f1.4/72 dB)
- Gain mode 0/+9/+18/+30/+42/+48 dB
- Optimum colour fidelity – programmable 12 pole linear matrix
- Optical filters (ND)
- Variable shutter (synchro-scan)
- Bayonet mount for 2/3" lenses
- Low power consumption
- Compact design
- Slot for SD down converter, studio card and network interface (optional)

STANDARD ACCESSORIES

User's manual

OPTIONAL ACCESSORIES

AK-HRP150	Remote Panel
AK-HRP900	Remote Panel
AK-HDC1500	SD down converter
AW-CAK4H1	P/T adaption cable
AW-CA15H29	Remote Panel adaption cable
AW-CB400	Camera control box
AW-PH400	High speed indoor P/T-head
AW-PH650	Outdoor P/T-head

GENERAL SPECIFICATIONS

Power requirements	12 V (11-17 V)
Power consumption	17 W
Weight	Approx. 1.5 kg / 3.3 lbs
Dimensions (WxHxD)	90 x 117 x 160 mm / 3.5" x 4.6" x 6.3"

CONNECTORS

- HD-SDI (BNC)
- Camera connector Mini (D-Sub 15-pin)
- Sync in
- Control system (RS422 and RS232)
- Iris control
- Zoom & focus control

STANDARD ACCESSORIES

Mains cable
User's manual

OPTIONAL ACCESSORIES

AV-CGP50M01	Additional 3D processor board
AV-CGP50M02	Chroma key control box
AV-CGP50P01	Redundant power supply

GENERAL SPECIFICATIONS

Power requirements	220–240 V, 50/60 Hz
Power consumption	
AV-CGP500	350 W
AV-CGP300	280 W
Dimensions (WxHxD)	480 x 88 x 555 mm / 18.9" x 3.5" x 21.9"
Weight	18 kg / 39.7 lbs



AV-CGP500

Realtime Graphics Processors

- Open platform graphic system, providing high performance SDTV or HDTV graphics
- Polygon performance: 40,000 polygon/field (64,000 polygon/field with AV-CGP50M01)
- Pixel fill rate: 533 M pixel/sec (permanent)
- Texture memory size: 1 GB (AV-CGP300: 512 MB)
- Chroma key and frame delay are installed (optional for AV-CGP300)
- Multi-format configuration (480/59.94i, 576/50i, 720/59.94p, 1080/59.94i, 1080/50i, 1080/24p)
- Built-in video codec function, enabling use as an SDI HD compliant disk data recorder/player
- Adaptive graphic insertion without camera tracking system
- Defocus image generation (blurs backgrounds, highlighting the subject)
- Bump mapping
- High-quality anti-aliasing
- High-quality video texture mapping (video wall)
- Compact size, only 2 RU high
- Supported software platforms: Vizrt, Kaydara, Brainstorm

CONNECTORS

- 2 x SDI in (SDI HD), each with key (BNC), active through output (only AV-CGP500)
- Reference signal (BNC), active through output
- 3 x SDI HD-SDI out Video (BNC)
- 3 x SDI HD-SDI out key (BNC)
- Chroma key out (BNC), only AV-CGP500



BT-LH2600W

26" Widescreen HD/SD LCD monitor

NEW!

- 26" LCD monitor for playback of HD/SD multi-format signals
- Integrated gamma function for playback of cine-gamma recordings when using the AJ-HDC27FE (Varicam)
- High-speed response 8 ms (grey-to-grey)
- Resolution: 1,366 x 768 pixels (XGA)
- Reproduction of 16.7 million colours
- Various markers can be displayed in 16:9 and 4:3 mode
- Matching function between two pictures
- Waveform monitoring
- Audio level meter function (build-in AES/EBU SD/HD-SDI Audio De-embedder)
- Viewing angle 176° (H/V)
- H/V delay
- Mono mode
- Colour temperature adjustable via menu (9,300/6,500/5,600 K)
- Front panel controls for brightness, contrast, colour and tint
- Coordination of multiple cameras on split screens
- RS-232C interface for control via PC
- GPI input for remote control function
- Red and green tally display
- Fan On/Off menu selectable
- Built-in stereo speakers
- Blue only mode
- New VESA mount

STANDARD ACCESSORIES

Mains cable
Mains cable hook
Monitor stand
User's manual

GENERAL SPECIFICATIONS

Power requirements	100–240 V, 50/60 Hz
Power consumption	124 W
Dimensions (WxHxD)	663 x 451 x 114 mm / 26.5" x 17.6" x 4.5"
Weight	7.2 kg / 15 lbs (without stand)

PLAYBACK OF SIGNALS

see table ([click here](#))

CONNECTORS

- 1 x BNC (Composite)
- 1 x Y/C (S-Video)
- 1 x BNC (YPbPr/RGB)
- 2 x BNC (SDI)
- RS-232C (D-Sub, 9pin)
- GPI (D-Sub, 9pin)
- Tally (DIN 8-pin)
- 2 x RCA (Audio stereo)



Rear connector panel

Rack Mount Adapter



Embedded Audio Unit



Monitor Stand



STANDARD ACCESSORIES

Mains cable
Mains cable hook
Monitor stand
User's manual

OPTIONAL ACCESSORIES

BT-MA1710G Rack mount adapter
BT-YAE1700G Embedded audio unit

GENERAL SPECIFICATIONS

Power requirements 100–240 V, 50/60 Hz; 12 V DC
Power consumption 0.6–1.1 A; 4.5 A with 12 V DC
Dimensions (WxHxD) 430 x 309 x 81 mm /
17" x 12.2" x 3.2"
Weight 7.2 kg / 15 lbs (without stand)

PLAYBACK OF SIGNALS

see table ([klick here](#))



BT-LH1700WE

17" Widescreen HD/SD LCD Monitor

NEW!

- 17" LCD monitor for playback of HD/SD multi-format signals
- Ideal for field operation – compatible with AC and DC power supplies
- Integrated gamma function for playback of cine-gamma recordings when using the AJ-HDC27FE (Varicam)
- High-speed response 10 ms (grey-to-grey)
- Resolution: 1024 x 768 pixels (XGA)
- Reproduction of 16.7 million colours
- Various markers can be displayed in 16:9 and 4:3 mode
- Aspect ratio 15:9
- Waveform monitoring
- Viewing angle 176° (H/V)
- Colour temperature adjustable via menu (9,300/6,500/5,600 K)
- Front panel controls for brightness, contrast, colour and tint
- RS-232C interface for control via PC
- GPI input for remote control function
- Red and green tally display
- Fan On/Off menu selectable
- Built-in stereo speakers
- Blue only mode
- Compatible with rack mounting (option) and VESA mounting

CONNECTORS

- 2 x BNC (Composite)
- 2 x Y/C (S-Video)
- 8 x BNC (YPbPr/RGBS)
- 3 x BNC (SDI)
- RS-232C (D-Sub, 9pin)
- GPI (D-Sub, 9pin)
- 12 V in (XLR, 4-pin)
- 2 x RCA (Audio stereo)



Rear connector panel

Anton/Bauer 220 V AC adaptor



Rear connector panel



STANDARD ACCESSORIES

Adaptor for Anton/Bauer battery
User's manual

OPTIONAL ACCESSORIES

BT-MA900G 19" rack mount bracket
for two monitors
SPS-60 Anton/Bauer AC adaptor

GENERAL SPECIFICATIONS

Power requirements 10–17 V DC
Power consumption 22.8 W
Dimensions (WxHxD) 218 x 176 x 65 mm /
8.6" x 6.9" x 2.6"
Weight 2 kg / 4.4 lbs

PLAYBACK OF SIGNALS

see table ([click here](#))

BT-LH900A

21 cm (8.4") HD/SD LCD Monitor with Waveform function

- LCD monitor for playback of HD/SD multi-format signals
- Ideal for field operation with the DVCPROHD Camcorders AJ-HDC27FE (Varicam), AJ-HDX900 and HD box camera AK-HC1500G
- Integrated gamma function for playback of cine-gamma recordings when using the AJ-HDC27FE (Varicam)
- 720/50p capability
- Resolution: 1024 x 768 pixels (XGA)
- Reproduction of 16.7 million colours
- Brightness 300 cd/m²
- Contrast ratio 300:1
- Viewing angle 170°
- Colour temperature adjustable via menu (6,500 K / 9,300 K)
- Front panel controls for brightness, contrast, colour and tint
- Screw thread to enable mounting on the camera
- RS-232C interface for control via PC
- GPI input for remote control function
- Red and green tally display
- Control panel can be vertically mounted
- Two monitors can be mounted next to each other on a 19" rack mount bracket (optional)

CONNECTORS

- 2 x HD SDI/SDI in (BNC), auto switch
- 1 x component or RGB in (BNC)
- 1 x composite in (BNC)
- RS-232C interface
- GPI in (BNC)
- 12 V in (XLR, 4-pin)



HD SERIES

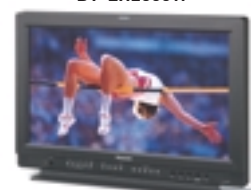
BT-LH900A



BT-LH1700WE



BT-LH2600W



	Component						Component						Component					
Format	Video	Y/C	SDI A	SDI B	Y/Pb/Pr	RGB	Video	Y/C	SDI A	SDI B	Y/Pb/Pr	RGB	Video	Y/C	SDI A	SDI B	Y/Pb/Pr	RGB
NTSC	•	•					•	•					•	•				
PAL	•	•					•	•					•	•				
480/59.94i			•	•	•	•			•	•	•	•			•	•	•	•
480/59.94p					•	•					•	•					•	•
576/50i			•	•	•	•			•	•	•	•			•	•	•	•
576/50p					•	•					•	•					•	•
720/50p			•	•	•				•	•	•				•	•	•	
720/59.94p			•	•	•				•	•	•	•			•	•	•	•
720/60p			•	•	•				•	•	•	•			•	•	•	•
1,035/59.94i *			•	•	•				•	•	•	•			•	•	•	•
1,035/60i *			•	•	•				•	•	•	•			•	•	•	•
1,080/23.98psf			•	•	•				•	•	•				•	•	•	
1,080/24psf			•	•	•				•	•	•				•	•	•	
1,080/23.98p			•	•	•				•	•	•				•	•	•	
1,080/24p			•	•	•				•	•	•				•	•	•	
1,080/25p			•	•	•				•	•	•				•	•	•	
1,080/29.97p			•	•	•				•	•	•				•	•	•	
1,080/30p			•	•	•				•	•	•				•	•	•	
1,080/50i			•	•	•	•			•	•	•	•			•	•	•	•
1,080/50p					•						•						•	
1,080/59.94i			•	•	•	•			•	•	•	•			•	•	•	•
1,080/60i			•	•	•	•			•	•	•	•			•	•	•	•
1,080/60p					•						•						•	

* 1,035/59.94 and 1,035/60i are displayed as 1,080/59.94i respective 1,080/60i

LCD SD/HD Monitors

Compatible with all formats

AT A GLANCE

This monitor series are equipped with functions for broadcasting and professional use. They are compatible with multiple HD and SD formats

More specifications about the monitors are available if you click on the model name.

BT-LH900A		BT-LH1700WE		BT-LH2600W	
RGB (PC) Formate					
640 x 400 (70Hz)	•	640 x 400 (70Hz)	•	640 x 400 (70Hz)	•
640 x 480 (60Hz)	•	640 x 480 (60Hz)	•	640 x 480 (60Hz)	•
640 x 480 (75Hz)	•	640 x 480 (75Hz)	•	640 x 480 (75Hz)	•
640 x 480 (85Hz)	•	640 x 480 (85Hz)	•	640 x 480 (85Hz)	•
800 x 600 (60Hz)	•	800 x 600 (60Hz)	•	800 x 600 (60Hz)	•
800 x 600 (75Hz)	•	800 x 600 (75Hz)	•	800 x 600 (75Hz)	•
800 x 600 (85Hz)	•	800 x 600 (85Hz)	•	800 x 600 (85Hz)	•
1024 x 768 (60Hz)	•	1024 x 768 (60Hz)	•	1024 x 768 (60Hz)	•
1024 x 768 (70Hz)	•	1024 x 768 (70Hz)	•	1024 x 768 (70Hz)	•
1024 x 768 (75Hz)	•	1024 x 768 (75Hz)	•	1024 x 768 (75Hz)	•
1024 x 768 (85Hz)	•	1024 x 768 (85Hz)	•	1024 x 768 (85Hz)	•
1280 x 768 (60Hz)	•	1280 x 768 (60Hz)	•	1280 x 768 (60Hz)	•
1280 x 768 (75Hz)	•	1280 x 768 (75Hz)	•	1280 x 768 (75Hz)	•
1280 x 1024 (60Hz)	•	1280 x 1024 (60Hz)	•	1280 x 1024 (60Hz)	•

Side panel with SD slot



Rear panel connectors



IEEE1394 and BNC connectors



DVCPRO 50



AJ-SDC905

2/3" 3IT-CCD Camcorder with 50/25 Mbps recording and IEEE1394 (16:9/4:3)

STANDARD ACCESSORIES

Shoulder strap
Adaptor for Anton/Bauer digital battery
User's manual

OPTIONAL ACCESSORIES

AJ-EC3	Camera remote control
AJ-HT901	Flight case
AJ-MC700	Microphone kit
AJ-MH800	Microphone holder
AJ-SC900	Soft case
AJ-VF15B	1.5" viewfinder (high grade 4:3)
AJ-VF20WB	2" viewfinder (16:9/4:3)
RP-SD064BE-A	SD Memory Card
SHAN-RC700	Rain cover
SHAN-TM700	Tripod adaptor

GENERAL SPECIFICATIONS

Power requirements	12 V (11–17 V)
Power consumption	25 W without viewfinder
Weight	Approx. 7.3 kg / 16.1 lbs (fully operational)

CAMERA FEATURES

- Three 2/3" 600,000 pixel IT CCD image sensors
- Digital signal processing with matrix colour correction
- 12 bit A/D quantization
- 2,000 lx sensitivity at f13
- Digital menu controlled camera set-up
- Automatic white/black balance, ATW (auto tracking white) balance
- Switchable from 16:9 to 4:3
- Synchro-scan for flicker-free recording from data monitors
- EBU colour bars
- Digital super gain
- Built-in gen-lock function
- Bayonet mount for 2/3" lenses
- Combined optical filter wheel (ND, CC)
- Individual camera configuration (can be stored on SD Memory Card)
- Digital Zoom

VTR FEATURES

- Digital 50 Mbps component recording (switchable to 25 Mbps)
- 2-channel PCM audio recording with 88 dB dynamic range
- Supports UMID metadata recording
- Scene control at the touch of a button
- Colour playback
- Pre-recording function
- Interval recording function
- IEEE1394 interface
- Built-in EBU/SMPTE time code generator/reader (LTC/VITC user bits)
- Built-in monitor speaker, 2 earphone outputs
- Microphone connector with phantom power supply (+48 VDC on/off)
- Built-in slot for microphone receiver

IEEE1394 interface



DVCPRO



AJ-SDC615

2/3" IT-3CCD Camcorder with IEEE1394

CAMERA FEATURES

- Three 2/3" 600,000 pixel IT CCD image sensors
- Horizontal resolution of 750 lines
- 62 dB signal/noise ratio (typical)
- 2,000 lx sensitivity at f13
- Minimum illumination 0.01 lx at f1.4/+68 dB
- Digital menu-controlled camera set-up via jog dial menu
- 12 bit digital signal processing
- Automatic white/black balance, ATW (auto tracking white) balance
- 6 step electronic shutter (1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000 sec.)
- Synchro-scan for flicker free recording from data monitors
- EBU colour bar generator
- Programmable gain from -3 to +30 dB
- Super Gain up to +48 dB
- Optical 4-position filters (ND/CC)
- Built-in gen-lock function
- Four user scene files
- Bayonet mount for 2/3" lenses
- Digital Zoom

STANDARD ACCESSORIES

Adaptor for Anton/Bauer digital battery
User's manual

OPTIONAL ACCESSORIES

AJ-EC3	Camera remote control
AJ-HT901	Flight case
AJ-MH700	Microphone holder
AJ-SC900	Soft case
AJ-VF15B	1.5" viewfinder (high grade 4:3)
RP-SD064BE-A	SD Memory Card
SHAN-RC700	Rain cover

GENERAL SPECIFICATIONS

Power requirements	12 V (11-17 V)
Power consumption	24 W without viewfinder
Weight	Approx. 7.3 kg / 16.1 lbs (fully operational)

VTR FEATURES

- Digital component recording
- 55 dB signal/noise ratio
- PCM audio recording with 85 dB dynamic range
- Maximum recording time of 66 minutes with M cassette
- Built-in EBU/SMPTE time code generator / reader (LTC/VITC user bits)
- Full colour playback without adaptor
- Built-in monitor speaker
- Microphone connector with phantom power supply (48 V DC on/off)
- Interval recording function
- Slot for wireless microphone

SD SERIES

ZOE zoom grip



The STASIS shoulder tripod with Gold Mount adaptor for use with professional Anton/Bauer batteries. Combination with Monopod tripods (for example from Sachtler) is also possible. For further information, please visit www.antonbauer.com

MiniDV



STANDARD ACCESSORIES

Charger
AC adaptor
AC cable
Large eye cup
Lens cap
Battery (5.4 Ah)
IR remote controller
MiniDV Master Series tape
Shoulder strap
User's manual

OPTIONAL ACCESSORIES

AG-B15	AC adaptor
AG-HT100G	Flight case
AG-LA7200G	16:9 conversion lens
AG-LW7208G	0.8x wide angle lens
AG-MC100G	XLR microphone
AG-SC100G	Soft case
CGR-D16SE/1B	Battery (1.6 Ah)
CGP-D28SE/1B	Battery (2.8 Ah)
CGA-D54SE/1B	Battery (5.4 Ah)
QR-DVX	Anton/Bauer battery adaptor
VW-CD1	IEEE1394 cable
ZOE-DVX	Zoom grip

GENERAL SPECIFICATIONS

Power requirements	12 V (DC 7.2–7.9 V)
Power consumption	6.8 W (incl. viewfinder)
Weight	1.9 kg / 4.2 lbs

AG-DVX100B

1/3" IT-3CCD MiniDV Camcorder with 25p recording rate

CAMERA FEATURES

- Three 1/3" 470,000 pixel IT CCD image sensors (interlaced and progressive scan)
- Switchable camera frame rate of 25p/50i
- Leica DICOMAR lens with optical image stabilizer, motorized/manual mode switching, 10x zoom, F 1.6 (f = 4.5–5 mm), (35 mm equivalent: 32.5–325 mm)
- Digital zoom functions
- 2,000 lx sensitivity at f11
- Optical image stabilizer
- Gain of up to +18 dB
- Automatic white balance, ATW (automatic tracking white) balance
- 0.44" electronic viewfinder (colour/black&white mode)
- 3.5" LC display (210,000 pixel)
- Manual and automatic focus (for 25p and 50i)
- Manual and automatic iris
- Two optical ND filters

VTR FEATURES

- Digital component recording
- Recording time of 90 minutes with MiniDV cassette
- PCM audio recording
- Manual audio level control, (separate control for channels 1 and 2)
- Complete drive functions
- Microphone/line in (XLR), 2-channel
- Microphone connector with 48 V phantom power supply
- Digital in/out IEEE1394 (4-pin)
- Composite in/out (RCA)
- Y/C in/out
- Audio in/out (RCA L/R)
- EBU/SMPTE time code



MiniDV



AG-DVC60

1/4" IT-3CCD MiniDV Camcorder with IEEE1394

STANDARD ACCESSORIES

AC adaptor with charger
AC cable
Lens cap
Battery
IR remote controller
MiniDV tape
Shoulder strap
User's manual

OPTIONAL ACCESSORIES

AG-B15	AC adaptor
AG-LW4307	0.7x wide angle lens (49 mm)
CGR-D16SE/1B	Battery (1.6 Ah)
CGP-D28SE/1B	Battery (2.8 Ah)
CGA-D54SE/1B	Battery (5.4 Ah)
QR-DVC10	Anton/Bauer battery plate
VW-CD1	IEEE1394 cable
ZOE-DVX	Zoom grip

GENERAL SPECIFICATIONS

Power requirements	7.7–7.9 V
Power consumption	6.2 W (incl. viewfinder)
Dimensions (WxHxD)	211 x 224 x 431 mm 8.5" x 8.8" x 17.0"
Weight	Approx. 2.6 kg / 6.0 lbs (fully operational)

CAMERA FEATURES

- Three 1/4" 470,000 pixel IT CCD image sensors (interlaced and progressive scan)
- Switchable camera frame rate of 25 and 50i
- 16:9 wide recording (letterbox)
- Optical 16x zoom lens F1.6 (39.5–632 mm / 1.3"–12.8" (compared with 35 mm))
- Digital zoom functions
- Optical image stabilizer
- 12 bit digital signal processing and RGB gamma processor
- Zero lx IR mode (super nighttime shooting system)
- High-sensitivity slow shutter
- Minimum illumination: 4 lx/F1.6 (+18 dB gain)
- Synchro-scan for flicker free recording from data monitors
- Full colour bar
- Automatic white/black balance, ATW (auto tracking white) balance
- 0.44" electronic viewfinder
- 2.5" LC display
- Manual and automatic focus
- Manual and automatic iris
- Internal stereo microphone
- Internal speaker

VTR FEATURES

- Digital component recording
- Max. recording time of 90 minutes with MiniDV cassette
- PCM audio recording
- Audio level control (separate control for channels 1 and 2)
- Complete drive functions
- Microphone in (stereo mini jack)
- Audio in (XLR), 2-channel
- Digital in/out IEEE1394
- Composite in/out (RCA)
- EBU/SMPTE time code
- Audio in/out (RCA L/R)
- Y/C in/out
- Phones (stereo mini jack)
- Remote (mini jack)

Easy-to-operate control panel



3.5" colour LCD monitor



180° reversible LCD monitor



MiniDV



STANDARD ACCESSORIES

AC adaptor
AC cable
AV cables
Large eye cup
Lens hood
Lens cap
Handle
Battery
Wireless remote controller
Shoulder strap
User's manual

OPTIONAL ACCESSORIES

AG-B15	AC adaptor
AG-LW4307	0.7x wide angle lens
AG-MC100	XLR microphone
AG-MYA30G	XLR microphone adaptor
AG-SC100G	Soft case
CGR-D16SE/1B	Battery (1.6 Ah)
CGP-D28SE/1B	Battery (2.8 Ah)
CGA-D54SE/1B	Battery (5.4 Ah)
VW-CD1	IEEE1394 cable

GENERAL SPECIFICATIONS

Power requirements	7.2-7.9 V
Power consumption	5 W (with viewfinder)
Weight	Approx. 1.2 kg / 2.6 lbs

AG-DVC30

1/4" IT-3CCD MiniDV Camcorder with IEEE1394

CAMERA FEATURES

- Three 1/4" 470,000 pixel IT CCD image sensors
- Switchable camera frame rate of 25 and 50i
- Leica Dicomar™ lens F1.6 (39.5-632 mm / 1.3"-12.8" with optical 16x zoom (compared with 35 mm)
- Digital zoom functions (24x, 160x)
- 12 bit digital signal processing and RGB gamma processor
- Optical image stabilizer
- Zero lx IR mode
- Built-in IR light for 5 m (16 ft) shooting distance
- Synchro-scan for flicker free recording from data monitors
- SMPTE colour bars
- 4 internal preset files
- 3 user-assignable buttons
- 0.44" electronic viewfinder
- 3.5" LC display
- Professional audio quality with XLR (optional)
- Manual and automatic focus
- Manual and automatic iris
- Internal speaker

VTR FEATURES

- Digital component recording
- Max. recording time of 90 minutes with MiniDV cassette
- PCM audio recording
- Audio level control, (separate control for channels 1 and 2)
- Complete drive functions
- Microphone/line in (XLR), 2-channel (optional)
- Digital in/out IEEE1394 (4-pin)
- Composite in/out (RCA)
- Y/C in/out
- Audio in/out (RCA L/R)
- EBU/SMPTE time code

DVCPRO 50



STANDARD ACCESSORIES

Mains cable
User's manual

OPTIONAL ACCESSORIES

AJ-CS455	MiniDV cassette adaptor
AJ-MA75	19" rack mount bracket
AJ-YA935G	Component/composite input
AJ-YAD955G	IEEE1394 interface

GENERAL SPECIFICATIONS

Power requirements	100–240 V, 50/60 Hz
Power consumption	130 W
Dimensions (WxHxD)	424 x 175 x 415 mm / 16.7" x 6.9" x 16.3"
Weight	17.5 kg / 38.5 lbs

AJ-SD965

50 Mbps XL cassette Studio VTR

- Digital component recording at a data rate of 50 Mbps (switchable to 25 Mbps)
- Switchable between 625 and 525 line operation
- Sampling 4:2:2/13.5 MHz
- 60 dB signal/noise ratio
- Up to 126 minutes recording time with XL cassette AJ-5P126XG (DVCPR050)
- Playback of DV and DVCAM™ cassettes (auto format playback function)
- Built-in EBU/SMPTE time code generator/reader (LTC/VITC user bits)
- Digital slow motion +/-0.43/0.5/0.75
- +/-32x shuttle search speed
- +/-50x rewind speed
- On-screen display for easy machine set-up and operation
- Channel condition display enables easy error rate supervision
- Built-in two machine edit controller
- 4-channel PCM audio 48 kHz/16 bit
- Integrated 3.5" LCD monitor on front panel
- UMID meta data support

CONNECTORS

- SDI in/out (BNC)
- SDTI in/out for DVCPRO/DVCPR050 (optional)
- Digital audio AES/EBU in/out (BNC)
- IEEE1394 in/out (optional)
- Analogue component signals out (BNC)
- Analogue component signals in (BNC), optional
- Analogue composite signal out (BNC)
- Analogue composite signal in (BNC), optional
- Analogue audio in/out (XLR)
- Audio monitor (XLR L/R)
- Reference signal (BNC)
- Time code in/out (XLR)
- RS-422A machine control
- RS-232C interface
- 25-pin parallel control
- Encoder remote control

Standard: SDI interface



Edit suite with A/V Mixer AG-MX70



DVCPRO50



AJ-SD930B

50 Mbps Studio VTR with standard SDI interface

STANDARD ACCESSORIES

Mains cable
User's manual

OPTIONAL ACCESSORIES

AJ-CS455	MiniDV cassette adaptor
AJ-MA75	19" rack mount bracket
AJ-YA935G	Component/composite input
AJ-YAD955G	IEEE1394 interface

GENERAL SPECIFICATIONS

Power requirements	100–240 V, 50/60 Hz
Power consumption	120 W
Dimensions (WxHxD)	424 x 175.5 x 430 mm / 16.7" x 6.9" x 16.9"
Weight	14.9 kg / 32.8 lbs

- Digital component recording at a data rate of 50 Mbps (switchable to 25 Mbps)
- Sampling 4:2:2/13.5 MHz (DVCPRO50)
- 60 dB signal/noise ratio
- Playback of DV, DVCPRO, DV, MiniDV and DVCAM™ cassettes (auto format playback function)
- Supports UMID metadata
- Built-in EBU/SMPTE time code generator/reader (LTC/VITC user bits)
- Digital slow motion -0.43x to +0.43x, +0.6x, +0.75x; DV, DVCAM +/-0.5
- +/-32x shuttle search speed
- +/-50x rewind speed
- Illuminated jog/shuttle dial
- Digital audio monitoring during jog/shuttle operation
- On-screen display for easy machine set-up and operation
- Channel condition display enables easy error rate supervision
- 4-channel PCM audio 48 kHz/16 bit

CONNECTORS

- SDI in/out (BNC)
- IEEE1394 in/out (6-pin), for DVCPRO50/DVCPRO/DV/DVCAM™, optional
- Digital audio AES/EBU (BNC)
- Analogue component signals out (BNC)
- Analogue component/composite signals in (BNC), optional
- Analogue composite signal out (BNC)
- Analogue audio (XLR)
- Audio monitor (XLR L/R)
- Reference signal (BNC)
- Time code in/out (XLR)
- RS-422A machine control
- 25-pin parallel control
- RS-232C interface
- Encoder remote control (15-pin D-sub)

Rear connector panel with optional interfaces



DVCPRO 50



AJ-SD93

50 Mbps Desktop VTR with IEEE1394

- Digital component recording at a data rate of 50 Mbps (switchable to 25 Mbps)
- Plays MiniDV, DV, DVCAM™, DVCPRO, DVCPRO50
- Multi-voltage operation, 100 to 240 V
- Sampling 4:2:2/13.5 MHz (DVCPRO50)
- Built-in EBU/SMPTE time code reader (LTC/VITC user bits)
- Digital slow motion +/-0.43 capability
- Variable speed jog/shuttle searches capability
- Joy-stick controller for video search and menu settings
- On-screen display for easy machine set-up and operation
- 4-channel PCM audio 48 kHz/16 bit
- Space-saving 3RU half-rack size
- Programmable function buttons

STANDARD ACCESSORIES

Mains cable
User's manual

OPTIONAL ACCESSORIES

AJ-CS455P	MiniDV cassette adaptor
AJ-YA93P	Analogue interface for: component/composite input/output, XLR audio 4-channel input/output, RS-422 remote, reference video, TC input/output
AJ-YA94G	SDI interface board

GENERAL SPECIFICATIONS

Power requirements	100–240 V, 50/60 Hz
Power consumption	52 W
Dimensions (WxHxD)	214 x 132 x 434 mm / 8.4" x 5.2" x 17.1"
Weight	6.8 kg / 15.0 lbs

CONNECTORS

- IEEE1394 digital interface
- Video out (BNC), monitoring
- Audio monitor (RCA L/R)
- SDI in/out (BNC), optional
- Optional:
Analogue component in/out (BNC),
Analogue composite in/out (BNC),
Analogue audio in/out (XLR),
Reference signal (BNC),
Time code in/out (XLR),
RS-422A machine control

Illuminated jog/shuttle dial



STANDARD ACCESSORIES

Mains cable
User's manual

OPTIONAL ACCESSORIES

AJ-CS455	MiniDV cassette adaptor
AJ-MA75	19" rack mount bracket
AJ-YA755	SDI interface
AJ-YAD755G	IEEE1394 interface

GENERAL SPECIFICATIONS

Power requirements	100–240 V, 50/60 Hz
Power consumption	110 W
Dimensions (WxHxD)	424 x 175.5 x 430 mm / 16.7" x 6.9" x 16.9"
Weight	15 kg / 33 lbs

AJ-SD755

Multi-purpose Studio VTR with built-in two machine edit controller

- Digital component recording at a data rate of 25 Mbps (DVCPRO and DV)
- Sampling 4:1:1/13.5 MHz
- 60 dB signal/noise ratio
- Up to 126 minutes recording time with L cassette in DVCPRO mode
- Playback of DV, MiniDV and DVCAM™ cassettes (auto format playback)
- Built-in EBU/SMPTE time code generator/reader (LTC/VITC user bits)
- Digital slow motion -0.43x to + 0.43x, +0.5x, +0.75x in DVCPRO mode
- +/-32x shuttle search speed
- +/-50x rewind speed
- Digital audio monitoring during jog/shuttle operation
- On-screen display for easy machine set-up and operation
- Channel condition display enables easy error rate supervision
- Built-in two machine edit controller
- 2-channel PCM audio 48 kHz/16 bit
- DV recording capability

CONNECTORS

- SDI in/out (BNC), optional
- IEEE1394 in/out (6-pin), optional
- Digital audio AES/EBU (BNC)
- Analogue component signals out (BNC)
- Analogue composite signal out (BNC)
- Analogue audio (XLR)
- Audio monitor (XLR L/R)
- Reference signal (BNC)
- Time code in/out (XLR)
- RS-422A machine control
- RS-232C interface



STANDARD ACCESSORIES

MiniDV cassette adaptor
Mains cable
User's manual

OPTIONAL ACCESSORIES

AJ-CS455	MiniDV cassette adaptor
AJ-MA75	19" rack mount bracket
AJ-TS6/7/9	Telescopic slide rail
AJ-YA455	SDI interface
AJ-YAD455	IEEE1394 interface

GENERAL SPECIFICATIONS

Power requirements	220–240 V, 50/60 Hz
Power consumption	95 W
Dimensions (WxHxD)	424 x 175 x 415 mm / 16.7" x 6.9" x 16.3"
Weight	14.3 kg / 31.5 lbs

AJ-D455

DVC PRO Studio Editing VTR with DV recording and playback

- Digital component recording at a data rate of 25 Mbps (DVC PRO and DV)
- 55 dB signal/noise ratio
- Up to 126 minutes recording time with L cassette in DVC PRO mode
- Up to 276 minutes recording time with DV cassette in DV mode
- Playback of MiniDV (with adaptor), DV and DVCAM™ cassettes
- Built-in EBU/SMPTE time code generator/reader (LTC/VITC user bits)
- Digital slow motion (+0.43x normal speed)
- 16x, 32x and 60x shuttle search speed (set by menu selection)
- +/-100x rewind speed
- Assemble and insert editing capability in DVC PRO mode
- On-screen display shows machine set-up and operation status
- Channel condition display enables easy supervision of error rate
- Optional SDI interface according to SMPTE-259M
- Optional IEEE1394 interface for direct connection to NLE systems

CONNECTORS

- SDI in/out (BNC), optional
- IEEE1394 in/out (6-pin), optional
- Digital audio AES/EBU in/out (BNC)
- Analogue component signals in/out (BNC)
- Analogue composite signal in/out (BNC)
- Y/C signal in/out
- Analogue audio in/out (XLR)
- Audio monitor (RCA)
- Headphones (6 mm jack)
- Time code (BNC)
- RS-422A machine control (9-pin)
- RS-232C interface (25-pin)
- Encoder remote control (15-pin)

DVCPRO



AJ-SD255 Desktop VTR

- Digital component recording (25 Mbps – DVCPRO/DV)
- Up to 126 minutes recording time with L cassette
- Playback of DV and DVCAM™ cassettes
- 2 PCM audio recording channels
- Easy operation using joystick
- UMID meta data support
- Teletext support
- Programme function for enhanced operation and user convenience
- Installation of two units side by side on a single 19" rack
- Equipped to install IEEE1394 interface for direct connection to NLE systems

STANDARD ACCESSORIES

Mains cable
User's manual

OPTIONAL ACCESSORIES

AJ-CS455	MiniDV cassette adaptor
AJ-YA94G	SDI interface
AJ-YAD255G	IEEE1394 interface

GENERAL SPECIFICATIONS

Power requirements	100–240 V, 50/60 Hz
Power consumption	49 W
Dimensions (WxHxD)	214 x 132 x 434 mm / 8.4" x 5.2" x 17.1"
Weight	7.2 kg / 15.8 lbs

CONNECTORS

- IEEE1394 interface (6-pin), optional
- Analogue component in/out (BNC)
- Analogue composite in/out (BNC)
- Analogue audio in/out (XLR)
- Video monitor out (BNC)
- Audio monitor out (RCA)
- Time code in/out (BNC)
- Reference (BNC)
- RS-422A 9-pin interface (optional)

Rear connector panel



Accessories



DV Mini **DV**



STANDARD ACCESSORIES

AC adaptor
Wireless remote control unit
Vertical stand
User's manual

GENERAL SPECIFICATIONS

Power requirements 100–240 V, 50/60 Hz
12 V DC
Power consumption 14 W
Dimensions (WxHxD) 174 x 68 x 260 mm /
6.9" x 2.7" x 10.2"
Weight 2.3 kg / 5.1 lbs

AG-DV2500

DV/MiniDV VTR (AC/DC)

- Records and plays DV and MiniDV cassettes without an adaptor
- Automatic playback of DVCAM™ cassettes
- Maximum recording time of 276 minutes with DV cassette
- Display of time code and remaining recording time
- Built-in EBU/SMPTE time code generator/reader
- PCM audio recording (2-/4-channel)
- Variable jog and shuttle functions with external edit controller
- Complete drive functions
- Playback and recording of DV signals via IEEE1394 interface
- Remote control
- Switchable between 625 and 525 line operation

CONNECTORS

- Digital in/out IEEE1394
- Y/C signal in/out
- Composite in/out (RCA)
- Microphone in (3.5 mm jack)
- RS-422A machine control (D-sub 9-pin)
- Audio in/out (2-channel)



Rear connector panel



Small, light and compact



LQ-MD800 Professional DVD Recorder

STANDARD ACCESSORIES

Mains cable
User's manual

GENERAL SPECIFICATIONS

Power requirements	100–240 V, 50/60 Hz
Power consumption	0.51–0.28 A
Dimensions (WxHxD)	214 x 102 x 365 mm/ 8.6" x 4" x 14"
Weight	4.6 kg / 10.1 lbs

- Complies with international medical equipment standards (IEC 60601-1, IEC 60601-1-2)
- Able to play DVD-RAM and DVD-R disks
- Direct recording into available space
- Defect management system
- DVD video disk creation
- Four recording modes (XP: 1 hr, SP: 2 hrs, LP: 4 hrs, max. 8 hrs recording on one double-sided 9.4 GB DVD-RAM)
- Region code free recording
- PAL/NTSC switchable between 625 and 525 line operation
- Programme search
- Menu screens for simple operation
- Programme editing to divide and delete programmes
- Text data such as patient IDs can be sent via RS-232C/USB for use as programme titles
- Progressive output (NTSC)
- Remote control features:
USB (Type B), RS-232C (D-sub 9-pin), mini jack (Record/Pause)

CONNECTORS

- Digital in (IEEE1394)
- Composite in (BNC)
- 2 x composite out (BNC)
- Y/C in (4 pin)
- Y/C out (4 pin)
- YPbPr out (BNC)
- 2 x audio in (RCA)
- Microphone (mini jack)
- 2 x audio out (RCA)
- Headphones (stereo mini jack)
- Remote (USB, Ver. 1.1, Type B)
- RS-232C (D-sub 9-pin)
- Pause remote (mini jack)



AG-MX70

Digital A/V Mixer with 1,600 effects

STANDARD ACCESSORIES

MX-Navi software (CD-ROM)
Power cable
User's manual

OPTIONAL ACCESSORIES

AG-VE70 3D effect interface
AG-YA70 SDI interface

GENERAL SPECIFICATIONS

Power requirements 220–240 V, 50/60 Hz
Power consumption 70 W (full option)
Dimensions (WxHxD) 424 x 197 x 400 mm /
16.7" x 7.8" x 15.7"
Weight 8.7 kg / 19.1 lbs (full option)

- Broadcast-quality 4:2:2:4 signal standard
- Switchable between 625 and 525 line operation
- Wipe patterns for 16:9 and 4:3 aspect ratios
- More than 1,600 digital effects with optional 3D interface (standard: over 600 2D effects)
- 26-frame graphics buffer for logo animation from PC files in crawl and roll modes
- Large LC display with matrix menu
- Joy stick to position effects and select or adjust colours
- A/B bus
- T-bar
- Built-in audio mixer (analogue/digital in cross mixing)
- Audio follow video
- Digital chroma key
- Digital luminance key
- Mix effects preview
- Downstream key preview
- 10 keys for wipe pattern pre-sets

CONNECTORS

- 4 x analogue component in (BNC)
- 8 x analogue composite in (BNC)
- 4 x Y/C in
- 4 x SDI in, 1 x SDI out (BNC), 4 x SDI embedded audio (BNC), optional
- 8 x analogue audio in (XLR)
- 4 x analogue audio in (RCA)
- Microphone (M6)
- GPI input (BNC)
- USB version 1.1 (type B)
- Tally out (D-sub 9-pin)



AW-SW350

Compact Live Switcher with five inputs

- Compact 5-input video mixer, ideal for live operation
- Integrated 10 bit frame synchronizer, switchable for gen-lock
- Sampling 4:2:2, 13.5 MHz, 10 bit
- Three-way wipe (normal/reverse, normal, reverse)
- 9 wipe patterns
- Manual / automatic wipe (hard / soft)
- Adjustable wipe or mix transition time
- White / black / 6 colour background
- 625 line and 525 line operation
- EBU/SMPTE colour bar generator
- 65 dB signal/noise ratio (Frame Synchronizer: OFF)
- USB port for mixing characters or graphics from PC

STANDARD ACCESSORIES

Rack mounting clamp
Connection Bracket
Image transfer software
User's manual

OPTIONAL ACCESSORIES

AW-PS505A AC adaptor

GENERAL SPECIFICATIONS

Power requirements	12 V DC, 1.35 A
Power consumption	16 W
Dimensions (WxHxD)	210 x 86 x 176 mm / 8.3" x 3.5" x 7.0"
Weight	2.2 kg / 4.9 lbs

CONNECTORS

- 5 x Y/C in or 5 x composite in (BNC)
- 5 x composite signal out (BNC), loop through
- Preview out (BNC)
- Programme out (BNC)
- Blackburst in/out (loop through) or gen-lock in/blackburst out
- 5 x Tally (open collector)
- Headphones (6 mm jack)
- USB version 1.1



AW-E860

2/3" IT-3CCD Convertible Camera (16:9/4:3)

NEW!

- Three 2/3" IT CCD image sensors with 595,728 pixels and on-chip lens technology for high sensitivity
- 63 dB signal/noise ratio (DNR on)
- 2,000 lx sensitivity at f11
- Minimum illumination of 0.4 lx
- A/B memory for automatic white balance stores (2 memory AWC / ATW)
- 12 bit digital signal processing for high signal stability
- 7-step electronic shutter (1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000 and 1/10000 sec.)
- 3D-DNR noise reduction
- Synchro-scan for flicker-free recording from data monitors
- 12-pole vector colour matrix
- EBU colour bar generator
- Chroma detail and dark detail correction
- Gain switching:
 - Manual: max. 42 dB (0 ... 30 dB in steps, Night eye L/H)
 - Auto: max. 42 dB (AGC 0 ... 30 dB, Night eye L/H)
- 2/3" bayonet lens connector (standard)

STANDARD ACCESSORIES

User's manual

OPTIONAL ACCESSORIES

AW-PB305A	Studio camera system card
AW-PB308	Lens interface card
AW-PB504	SDI card (SMPTE-259M)
AW-PB506A	Studio SDI card (SMPTE-259M)
AW-PS505A	AC adaptor
AW-Q40	Mounting for WV-VF65
AW-RC600	Camera remote control unit
WV-CB700	Camera remote control box
WV-RC700	Camera remote control unit
WV-VF65	5" studio viewfinder
AW-VF64	4" studio viewfinder
AW-CB400	Camera remote control box
AW-CA50T8	Camera Control box adaption cable
AW-CA50A26	RCU adaption cable
WV-CA26T26	Studio extension cable joint adaptor
WV-CA26U15/30/100	Studio extension cable

GENERAL SPECIFICATIONS

Power requirements	12 V DC
Power consumption	15.4 W
Dimensions (WxHxL)	84 x 95 x 192 mm / 3.3" x 3.7" x 7.6"
Weight	1.15 kg / 2.5 lbs

CONNECTORS

- Video out (BNC)
- Component, RGB, Y/C out over 50-pin connector (without option card)
- Gen-lock
- RS-232C
- Iris control
- 12 V DC
- Optional application card



AW-E750

2/3" IT-3CCD Convertible Camera

- Three 2/3" IT CCD image sensors with 470,000 pixels and on-chip lens technology for high sensitivity
- 65 dB signal/noise ratio (DNR on)
- 1.5x digital extender
- 2,000 lx sensitivity at f14
- Minimum illumination of 0.005 lx / f1.4 (0.00005 lx, 2 sec. CCD accumulation)
- A/B memory for automatic white balance stores (2 memory AWC / ATW)
- 12 bit digital signal processing for high signal stability
- 7-step electronic shutter (1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000 and 1/10000 sec.)
- 3D-DNR noise reduction
- Synchro-scan for flicker-free recording from data monitors
- 12-pole vector colour matrix
- EBU colour bar generator
- Chroma detail and dark detail correction
- Gain switching:
Manual: max. 72 dB (0 ... 30 dB in steps)
Digital: 0 ... 30 dB in 6 dB steps
Auto: max. 42 dB (AGC 0 ... 30 dB)
- 2/3" bayonet lens connector (standard)

STANDARD ACCESSORIES

User's manual

OPTIONAL ACCESSORIES

AW-PB305A	Studio camera system card
AW-PB308	Lens interface card
AW-PB504	SDI card (SMPTE-259M)
AW-PB506A	Studio SDI card (SMPTE-259M)
AW-PS505A	AC adaptor
AW-VF64	4" studio viewfinder
WV-CB700	Camera remote control box
AW-CB400	Camera remote control box
AW-CA50T8	Camera Control box adaption cable
AW-RC600	Camera remote control box
AW-CA50A26	RCU adaption cable
WV-CA26T26	Studio extension cable joint adaptor
WV-CA26U/5/30/100	Studio extension cable

A variety of cables are optionally available for a wide range of applications.

GENERAL SPECIFICATIONS

Power requirements	12 V DC
Power consumption	12.6 W
Dimensions (WxHxL)	84 x 95 x 192 mm / 3.3" x 3.7" x 7.6"
Weight	1.1 kg / 2.4 lbs

CONNECTORS

- Video out (BNC)
- Component, RGB, Y/C out over 50-pin connector (without option card)
- Gen-lock
- RS-232C
- Iris control
- 12 V DC
- Optional application card



AW-E655 AW-E650

1/2" IT-3CCD Convertible Camera

- Three 1/2" IT CCD image sensors with 470,000 pixels and on-chip lens technology for high sensitivity
- 65 dB signal/noise ratio (DNR on)
- 1.5x digital extender
- 2,000 lx sensitivity at f14
- Minimum illumination of 0.005 lx / f1.4 (0.00005 lx, 2 sec. CCD accumulation)
- 12 bit digital signal processing for high signal stability
- A/B memory for automatic white balance stores (2 memory AWC / ATW)
- 3D-DNR noise reduction
- Synchro-scan for flicker-free recording from data monitors
- 12-pole vector colour matrix
- EBU colour bar generator
- Chroma detail and dark detail correction
- Motor driven optical filter (1/32 ND, 1/64 ND, infrared off, CC) (AW-E655)
- Gain switching:
 - Manual: max. 72 dB (0 ... 30 dB in steps)
 - Digital: 0 ... 30 dB in 6 dB steps
 - Auto: max. 42 dB (AGC 0 ... 30 dB)
- 1/2" bayonet lens connector (standard)

STANDARD ACCESSORIES

User's manual

OPTIONAL ACCESSORIES

AW-PB305A	Studio camera system card
AW-PB308	Lens interface card
AW-PB504	SDI card (SMPTE-259M)
AW-PB506A	Studio SDI card (SMPTE-259M)
AW-PS505A	AC adaptor
AW-VF64	4" studio viewfinder
WV-CB700	Camera remote control box
AW-CB400	Camera remote control box
AW-CA50T8	Camera Control box adaption cable
AW-RC600	Camera remote control box
AW-CA50A26	RCU adaption cable
WV-CA26T26	RCU extension cable joint adaptor
WV-CA26U15/30/100	Studio extension cable

A variety of cables are optionally available for a wide range of applications.

GENERAL SPECIFICATIONS

Power requirements	12 V DC
Power consumption	12 W
Dimensions (WxHxL)	84 x 114 x 182 mm / 3.3" x 4.5" x 7.2"
Weight	1.2 kg / 2.6 lbs

CONNECTORS

- Video out (BNC)
- Component, RGB, Y/C out via 50-pin connector (without option card)
- Gen-lock
- RS-232C
- Iris control
- Optical filter control (AW-E655)
- 12 V DC
- Optional application card
- Zoom/Focus Control (AW-E655)



AW-E650



AW-E350

1/3" IT-3CCD Convertible Camera

- Three 1/3" IT CCD image sensors with 470,000 pixels and on-chip lens technology for high sensitivity
- 63 dB signal/noise ratio (DNR on)
- 2,000 lx sensitivity at f9.5
- Minimum illumination of 0.015 lx / f1.4 (0.00015 lx, 2 sec. CCD accumulation)
- Digital signal processing for high signal stability
- A/B memory for automatic white balance (2 memory ATW, AWC)
- 7-step electronic shutter (1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 sec., synchro-scan)
- 3D-DNR noise reduction
- Synchro-scan for flicker-free recording from data monitors
- 12-pole vector colour matrix
- EBU colour bar generator
- Chroma detail and dark detail correction
- Gain switching:
Manual: max. 72 dB (0 ... 30 dB in steps)
Digital: 0 ... 30 dB in 6 dB steps
Auto: max. 42 dB (AGC 0 ... 30 dB)
- C-mount lens connector

STANDARD ACCESSORIES

User's manual

OPTIONAL ACCESSORIES

AW-PB305A	Studio camera system card
AW-PB308	Lens interface card
AW-PB504	SDI card (SMPTE-259M)
AW-PB506A	Studio SDI card (SMPTE-259M)
AW-PS505A	AC adaptor
AW-RC600	Camera remote control unit
AW-VF64	4" studio viewfinder
WV-CB700	Camera remote control box
AW-CB400	Camera remote control box
AW-CA50T8	Camera control box adaption cable
AW-CA50A26	RCU adaption cable
WV-CA26T26	Studio extension cable joint adaptor
WV-CA26U15/30/100	Studio extension cable

A variety of cables are optionally available for a wide range of applications.

GENERAL SPECIFICATIONS

Power requirements	12 V DC
Power consumption	11.3 W
Dimensions (WxHxL)	84 x 77 x 156 mm / 3.3" x 3.0" x 6.1"
Weight	0.7 kg / 1.5 lbs

CONNECTORS

- Video out (BNC)
- Component, RGB, Y/C out over 50-pin connector (without option card)
- Gen-lock
- RS-232C
- Iris control
- 12 V DC
- Optional application card



AW-PH650 Outdoor Pan-Tilt System

NEW!

- Efficient outdoor pan-tilt systems for use with professional cameras for sports coverage, etc.
- Outdoor housing with heater, wiper and defrosting functions
- Noise level < NC40
- Ambient temperature range from -20° C to +60° C (-4° F to +140° F)
- Maximum load of 10 kg / 22 lb with housing (20 kg / 44.1 lbs without housing)
- Maximum pan speed 20°/sec.
- Maximum tilt speed 20°/sec.
- Exact position control < 5', repeat ability
- Panning range 320° (+/- 160°)
- Tilting range 145° (+50°/-95°)
- Smooth movement control – suitable for on-air use
- Controllable via RS-232C interface
- 50 camera position presets
- Cable compensation with a maximum cable length of 1,000 m / 1,094 yd (AW-RP655, AW-RP555)
- Composite, component, SD/HD-SDI and Y/C outputs

STANDARD ACCESSORIES

Housing	
Power Supply	AC adaptor
Cables	Power Cable
	Control Cable
	Camera Cable

User's manual

SYSTEM DEVICES

Control panel with RCU	
AW-RP655	Remote Panel including RCU
AW-RP555	Remote Panel including camera control
AW-RP400	Remote Panel
AW-IF400	Protocol converter
AW-PS505A	AC adaptor

A wide range of cables and adaptors are optionally available, enabling a variety of applications.

GENERAL SPECIFICATIONS

Power requirements	120–240 V, 50/60 Hz
Power consumption	120 W
Dimensions (WxHxD)	
Pan-tilt head	237 x 506 x 213 mm / 9.3" x 19.9" x 8.4"
Camera housing	685 x 265 x 245 mm / 27" x 10.4" x 9.7"
Power Supply	220 x 121 x 280 mm / 7.9" x 4.8" x 11"
Weight	
Pan-tilt head	18.5 kg / 30.9 lbs
Camera housing	16.5 kg / 36.4 lbs
Power supply	4.5 kg / 9.9 lbs



AW-PH400

High performance Pan-Tilt System

STANDARD ACCESSORIES

AC cable
User's manual

SYSTEM DEVICES

AW-CB400	Camera control unit
AW-RC400	Cable compensation unit
AW-RP400	Control Unit
AW-RL400	Camera rolling unit
AW-CAK4HI	HD box camera adaption cable
AW-CAK4H9	HD box camera adaption cable
AW-RP655	Remote Control panel including RCU
AW-RP555	Remote Control panel including camera control
AW-IF400	Protocol converter

A wide range of cables and adaptors are optionally available, enabling a variety of applications.

GENERAL SPECIFICATIONS

Power requirements	220–240 V AC, 50 Hz
Power consumption	75 W
Dimensions (WxHxD)	337 x 365 x 200 mm / 13.3" x 14.4" x 7.9"
Weight	8.4 kg / 18.6 lbs

- Indoor high performance pan-tilt system for use with convertible cameras for TV studios, sports coverage, etc.
- Noise level < NC30 (at 30°/sec) – suitable for on-air use
- Ambient temperature range from -10 °C to +45 °C (14 °F to +113 °F)
- Maximum load of 8 kg / 17.6 lbs
- Maximum pan speed 90°/sec. (variable)
- Maximum tilt speed 90°/sec. (variable)
- Exact position control < 30 sec.
- Panning range max. 400° (+/- 200°)
- Tilting range max. 190° (+/- 95°)
- Diagonal motion possible
- Tele-prompter output available
- Tally lamp available
- Controllable via RS-232C interface (AW-RP400)
- Tracking memory: 60 sec. x 10 positions
- 50 camera position presets
- Cable compensation with a maximum cable length of 500 m / 547 yd and 1000 m / 1094 yd (AW-IF400)
- Composite, component, Y/C and SD/HD-SDI outputs
- Optional camera rolling unit (AW-RL400)
- Teleprompter (optional): Auto Script AS8/ASCO, A88/ASCO
Porta Prompt PP8



AW-PH400
with rolling unit



AW-RP400

Control Panel for pan-tilt systems

AW-RP400

- Control unit for pan-tilt systems
- Five pan-tilt systems AW-PH400 can be directly connected
- Can be used with Pan-Tilt System AW-PH400 and AW-RP360 (AW-IF400 is required to control AW-PH650)
- Up to 50 camera presets programmable
- Up to 10 tracking settings for pan-tilt systems programmable
- Maximum remote distance of 500 m / 574 yd (without AW-RP400) 1,000 m / 1,094 yd (with AW-IF400) with local power supply
- Lens control (iris, focus, zoom)
- Ergonomic joystick for camera control (Seesaw type controller can be changed)
- Mountable on 19" rack mount bracket

STANDARD ACCESSORIES

Seesaw controller
Rack mount bracket
Mounting screws
User's manual

OPTIONAL ACCESSORIES

AW-IF400	Protocol converter
AW-PS505A	AC adaptor
AW-PH360	Indoor P/T-head
AW-PH400	High-speed Indoor P/T-head
AW-PH650	Outdoor P/T-head
AW-CB400	Camera control box
AW-RC400	Cable Compensation unit

GENERAL SPECIFICATIONS

Power requirements 10.8–16 V DC

Dimensions (WxHxD)	(mm / in.)
Control panel	210 x 88 x 177 / 8.3 x 3.5 x 7.0

AW-CB400

- Full-function camera RCU
- Up to five cameras can be controlled (via AW-RP400 or directly by using AW-CA50T8)
- Tally lights for each camera
- Intercom (4-pin XLR, for AW-RP400)
- Gain function
- 4 scene files
- Control cable (10 m) for AW-RP400 is included



AW-CB400
Control Box



AW-PH360

Indoor Pan-Tilt System (composite, component, SDI, IEEE1394)

NEW!

- Efficient pan-tilt systems for newsrooms, TV studios, sports transmissions, video conferences etc.
- Specially designed for use with Control Panel AW-RP655, AW-RP555 and AW-RP400
- RS-422/232 or IEEE1394 control
- Composite, component and SDI outputs
- Two tally lamps (one at the front and one at the rear of the head)
- Position information feedback
- New angle plate with balance adjuster
- Extremely low noise level (< NC30)
- Maximum load of 4 kg / 8.8 lb
- Speed: pan (30°/sec.) and tilt (25°/sec.)
- Exact position control (< 3')
- Panning range 300° (+/-150°)
- Tilting range 190° (+/-95°)
- Smooth movement control – suitable for on-air use
- Up to 50 camera position presets, 10 tracking memories
- Automatic white balance depending on camera position
- Maximum cable length:
500 m / 547 yd (controller AW-RP301, -305, -400, -501 -505)
1,000 m / 1,094 yd (controller AW-RP655, AW-RP555)

STANDARD ACCESSORIES

User's manual

SYSTEM DEVICES

AW-PH360	Indoor Pan-Tilt head
AW-PS300A	AC adaptor
AW-RP655	Control Panel including RCU
AW-RP555	Control Panel including camera control
AW-RC400	Cable Compensation Unit
AW-IF400	Protocol converter
AW-RP400	Control Panel
AW-PS505A	AC adaptor

A wide range of cables and adaptors are optionally available, enabling a variety of applications.

GENERAL SPECIFICATIONS

Power requirements	12 V DC
Power consumption	12 W, 3 A (camera power incl.) 12 W, 1.3 A (pan-tilt head only)
Dimensions (WxHxL)	130 x 244 x 192 mm / 5.1" x 9.6" x 7.6"
Weight	3.5 kg / 7.7 lbs

FLEXIBLE SERIES

AW-RP655 rear connectors



STANDARD ACCESSORIES

Rack mount bracket
Mounting screws
User's manual

OPTIONAL ACCESSORIES

AW-IF400	Protocol converter to control AW-PH400
AW-PS505A	AC adaptor
AW-PH360	P/T-Head
AW-PH400	High-speed Indoor P/T-Head
AW-PH650	Outdoor P/T-Head

GENERAL SPECIFICATIONS

Power requirements	10.8–16 V DC
Power consumption	9 W
Dimensions (WxHxL) Control panel	420 x 52 x 220 / 16.5 x 2.0 x 8.7

AW-RP655

Control Panel for pan-tilt systems and RCU for convertible cameras

NEW!

- Full function camera RCU and control unit for pan-tilt systems
- Five pan-tilt systems can be directly connected
- Can be used with Pan-Tilt System AW-PH360 and AW-PH400 (AW-IF400 is required. Conversion from RS-422A to RS-232C required for use with AW-PH300A, AW-PH500 and AW-PH600)
- Up to 50 camera presets can be programmed
- Up to 10 tracing settings for pan-tilt systems programmable
- Maximum remote distance of 1,000 m / 1,094 yd (AW-RP655, AW-RP555) with local power supply
- Lens control (iris, focus, zoom)
- Gain, white and black balance
- Shutter control
- Ergonomic joystick for pan-tilt control
- Control panel mountable on 19" rack mount bracket
- Memory lock function
- Up to 3 control panels AW-RP655 can be connected



FLEXIBLE SERIES

AW-RP555 rear connectors



STANDARD ACCESSORIES

Rack mount bracket
Connecting bracket
Mounting screws
Stickers
User's manual

OPTIONAL ACCESSORIES

AW-IF400	Protocol converter
AW-PS505A	AC adaptor
AW-PH360	Indoor P/T-head
AW-PH400	High speed indoor P/T-head
AW-PH650	Outdoor P/T-head
AW-RC400	Cable compensation unit

GENERAL SPECIFICATIONS

Power requirements	12 V DC (10.8–16 V DC)
Power consumption	9 W
Dimensions (WxHxL)	210 x 58 x 177 mm / 8.3" x 2.3" x 7.0"
Weight	1.4 kg / 3.1 lbs

AW-RP555

Compact control unit for up to 5 cameras and pan-tilt systems

NEW!

- Controls up to 5 cameras and pan-tilt heads without hub unit
- Full camera control by camera menu
- Speed of controls can be adjusted by the angle of the operation lever
- 10 pre-set position memories per camera
- Maximum control distance 1,000 m / 1,094 yd (AW-RP655, AW-RP555)
- The motion direction of the operation can be reversed or changed
- Lens control (iris, focus, zoom)
- Joystick for pan and tilt functions
- Gain, white and black balance
- Shutter control
- Suitable for desk or rack operation
(position of connectors can be changed by 90°)
- RS-232C interface for PC control



FLEXIBLE SERIES

AW-IF400 rear connectors



AW-RC600 rear connectors



STANDARD ACCESSORIES AW-RC600

Rack mount bracket
User's manual

OPTIONAL ACCESSORIES

AW-CA50A26
WV-CA26T26
WV-CA26U15/30/50

GENERAL SPECIFICATIONS

Power requirements 220–240 V
Power consumption 67 W
Dimensions (WxHxD) 420 x 88 x 250 mm /
16.5" x 3.5" x 9.9"
Weight 5.6 kg / 12.3 lbs

STANDARD ACCESSORIES AW-IF400

User's manual

OPTIONAL ACCESSORIES

AW-PS505A AC adaptor

GENERAL SPECIFICATIONS

Power requirements 12 V DC (10.8–16 V)
Power consumption 1.5 W
Dimensions (WxHxD) 145 x 30 x 85 mm /
5.7" x 1.2" x 3.3"
Weight 0.4 kg / 0.9 lbs



AW-RC600 AW-IF400

Camera remote control unit / Protocol converter

NEW!

CONTROL UNIT AW-RC600

- Composite, Y/C and component out (YPbPr or RGB)
- Basic camera controls on the front panel
- Full camera control by camera menu
- Camera power can be supplied by this RCU
- Equipped with tally/intercom, AUX in (for line view) and contact closure type pan-tilt head control input terminal (D-Sub 15-pin)

PROTOCOL CONVERTER AW-IF400

- Indoor pan-tilt head AW-PH400 can be controlled by controllers AW-RP555 or AW-RP655 by using this converter
- Outdoor pan-tilt head AW-PH650 can be controlled by controller AW-RP400 by using this converter
- Maximum control distance 1,500 m / 1,641 yd
- Allows extended control distance of max. 1,000 m / 1,094 yd between AW-PH400 and AW-RP400



AW-IF400

DVCPROHD

DVCPRO50

DVCPRO



TECHNICAL DATA

Tape width	6.35 mm
Tape thickness	8.5 µm / 6.5 µm
Base film	PET film
Magnetic carrier	Metal particle
Inherent coercivity	2,300 Oersted
Remanence (Br)	3,700 Gauss
Br/Bm	0.86

For running times from 6 to 252 minutes

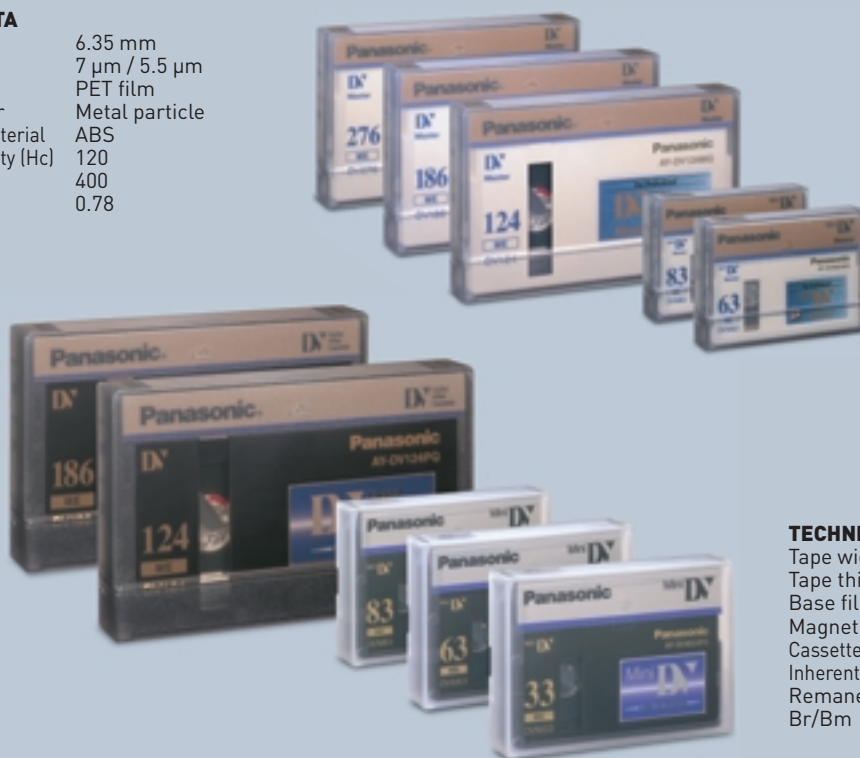
- Tape material specially designed for broadcast operation
- Ultra-finely coated metal particle tape
- Five layer tape structure with total thickness of 8.5 µm
- Cassette design ensures dust protection
- Protection against accidental unwinding during transport

Operation with the 50 Mbps data rate cuts recording times in half.
DVCPROHD operation cuts recording times by four.

Cassette size	Model no.	Max. recording time (DVCPRO/DVCPRO50/ DVCPROHD/DVCPROHD EX)	Length (m / yd)	Cassette size (WxHxD)	Cassette case size (WxHxD)
XL	AJ-5P126XG AJ-HP126EXG	252/126/-/126 min. 252/126/-/126 min.	515 / 563 515 / 563	174 x 14.6 x 102 mm / 6.9" x 0.6" x 4.0"	192 x 24.6 x 121 mm / 7.6" x 1.0" x 4.8"
L	AJ-HP64ELG AJ-HP33EMG AJ-HP23EMG AJ-P126L AJ-P94L AJ-P66L AJ-P34L	128/64/32/64 min. 66/33/16/33 min. 46/23/11/23 min. 126/64/32/64 min. 94/47/23/47 min. 66/33/16/33 min. 34/17/8/16 min.	259 / 293 137 / 150 95 / 104 259 / 293 194 / 212 137 / 150 72 / 79	125 x 14.6 x 78 mm / 4.9" x 0.6" x 3.1"	132 x 20 x 83.5 mm / 5.2" x 0.8" x 3.3"
	AJ-CL12LP	Cleaning tape	27 / 30		
M	AJ-P66M AJ-P46M AJ-P33M AJ-P24M AJ-P12M	66/33/-/33 min. 46/23/-/23 min. 33/16/-/16 min. 24/12/-/12 min. 12/6/-/6 min.	137 / 150 96 / 105 70 / 77 51 / 56 27 / 30	97.5 x 14.6 x 64.5 mm 3.8" x 0.6" x 2.5"	104.5 x 20 x 70 mm 4.1" x 0.8" x 2.8"
	AJ-CL12MP	Cleaning tape	27 / 30		

TECHNICAL DATA

Tape width	6.35 mm
Tape thickness	7 µm / 5.5 µm
Base film	PET film
Magnetic carrier	Metal particle
Cassette shelf material	ABS
Inherent coercivity (Hc)	120
Remanence (Br)	400
Br/Bm	0.78



TECHNICAL DATA

Tape width	6.35 mm
Tape thickness	7 µm / 5.5 µm
Base film	PET film
Magnetic carrier	Metal particle
Cassette shelf material	ABS
Inherent coercivity (Hc)	120
Remanence (Br)	400
Br/Bm	0.78

DV Master Tapes / DV Professional Tapes

DV MASTER TAPES

- S-AME technology (super advanced metal evaporation)
- 4x the magnetic density compared to the professional tape
- Improved error rate
- High output power
- Superb linearity
- Low head wear

DV PROFESSIONAL TAPES

- The smallest cassette in the world for professional video use
- Ultra-finely coated metal evaporated tape
- Five layer tape structure with total thickness of 7 µm
- Cassette design ensures dust protection
- Protection against accidental unwinding during transport
- Low tape costs

Cassette	Model no.	Max. recording time (DV)	Length (m / yd)	Cassette size (WxHxD)	Cassette case size (WxHxD)
DV Master	AY-DV276MQ	276 min.	316 / 346	125 x 14.6 x 78 mm 4.9" x 0.6" x 3.1"	132 x 20 x 83.5 mm 5.2" x 0.8" x 3.3"
	AY-DV186MQ	186 min.	214 / 234		
	AY-DV124MQ	124 min.	143 / 156		
	AY-DV96MQ	96 min.	111 / 121		
MiniDV Master	AY-DVM83MQ	83 min.	97 / 106	66 x 12.2 x 48 mm 2.6" x 0.5" x 1.9"	73 x 16.5 x 53.5 mm 2.9" x 0.65" x 2.1"
	AY-DVM63MQ	63 min.	74 / 81		
	AY-DVCLB AY-DVMCLC	(DV) Cleaning tape (MiniDV)			
DV Professional	AY-DV186PQ	186 min.	214 / 234	125 x 14.6 x 78 mm 4.9" x 0.6" x 3.1"	132 x 20 x 83.5 mm 5.2" x 0.8" x 3.3"
	AY-DV124PQ	124 min.	143 / 156		
	AY-DV96PQ	96 min.	111 / 121		
MiniDV Professional	AY-DVM83PQ	83 min.	97 / 106	66 x 12.2 x 48 mm 2.6" x 0.5" x 1.9"	73 x 16.5 x 53.5 mm 2.9" x 0.65" x 2.1"
	AY-DVM63PQ	63 min.	74 / 81		
	AY-DVM33PQ	33 min.	39 / 43		
	AY-DVCLB AY-DVMCLC	Cleaning tape (DV) Cleaning tape (MiniDV)			



TECHNICAL DATA

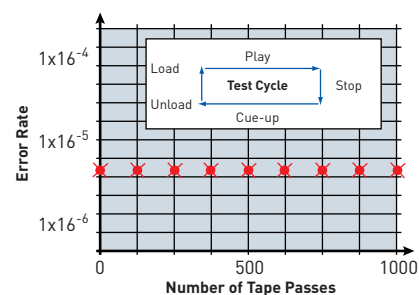
Tape width	12.65 mm
Tape thickness	11 or 13.5 µm
Base film	PET film
Magnetic carrier	Metal particle
Inherent coercivity	1,750 Oersted
Remanence (Br)	2,900 Gauss
Br/Bm	0.86



Transparent recording

- High quality tape for transparent data recording
- Ultra-finely coated metal particle tape for high data rate at short wave lengths
- Robust tape structure with total thickness of 11 or 13.5 µm
- Cassette design ensures dust protection
- Safety device prevents accidental unwinding of tape during transport
- Sturdy archive case

D5: EXTREMELY RELIABLE



Cassette size	Model no.	Max. recording time D3/D5	Length (m / yd)	Cassette size (WxHxD)	Cassette case size (WxHxD)
L	AJ-D5C124LP AJ-D5C94LP	248/124 min. 188/94 min.	1,249 / 1366 947 / 1036	296 x 25 x 167 mm / 11.7" x 1.0" x 6.6"	314 x 34 x 187 mm / 12.4" x 1.3" x 7.4"
M	AJ-D5C63MP AJ-D5C48MP AJ-D5C33MP	126/63 min. 96/48 min. 66/33 min.	635 / 694 485 / 530 334 / 365	212 x 25 x 124 mm / 8.3" x 1.0" x 4.9"	231 x 34 x 144 mm / 9.1" x 1.3" x 5.7"
S	AJ-D5C23SP	46/23 min.	233 / 255	161 x 25 x 98 mm / 6.3" x 1.0" x 3.9"	180 x 34 x 118 mm / 7.1" x 1.3" x 4.6"

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