Panasonic
ideas for life

DVCPRO

The AJ-SDC615 camera-recorder combines the superior picture quality needed for professional work with the superb mobility and ease of use required in the field.

A 2/3" 600,000-pixel 3CCD camera system and 12-bit digital signal processor assure high sensitivity and excellent pictures. Inheriting the same compact design as the high-end AJ-SDX900, the AJ-SDC615 is well balanced and lightweight yet rugged. A number of shooting assist functions improve operating ease. Also equipped with an IEEE 1394 digital interface, the AJ-SDC615 is ready for IT applications and mid level production.

With this outstanding combination of picture quality and mobility, the AJ-SDC615 is a terrific choice for news gathering and sports coverage.

■ Wide 2/3" CCD for High Sensitivity and High Image Quality

The AJ-SDC615 features a 2/3" 600,000-pixel 3CCD imaging system and an F13 lens with high sensitivity. You can shoot in light as low as 0.01 lux with minimal smear. With 750 lines of resolution and a 62-dB S/N, the AJ-SDC615 meets virtually any recording need. It has built-in versatility with menu selectable 16:9 or 4:3 aspect ratios.

■ 12-Bit Digital Processing Circuit

The DSP circuit features 12-bit A/D conversion and 12-axis matrix colour correction. This achieves better overall picture quality, with finer gradation and improved colour expression. It also allows correction in specific colour regions without changing the overall colour tone.

(correction in cyan colour region)

■ Four User Scene Files

Store specific camera settings in memory, then retrieve them when needed for quick, easy setup. Four files with settings can be stored in the camera's memory. Files can also be copied onto an SD Memory Card or MultiMediaCard, allowing storage of up to eight files.

■ Digital Zoom

This new support function lets you digitally zoom the image to two times its normal size for easier focusing.

■ User Buttons and User Menu

Three user buttons are provided. Assign a function to each, and then you can select those functions with pushbutton ease. You can also customize the on-screen menu with the items you use most often, then display them by simply pressing a button.

■ Auto Tracking White Balance

The white balance is automatically adjusted, in real time, as the lighting changes. It is easy to get natural colour even when shooting scenes with difficult lighting conditions, such as when following a subject walking from indoors to outdoors.

■ Quick Response

The AJ-SDC615 enters standby mode about three seconds after you switch on the power, and recording begins about 0.5* sec after you press the REC button. The tape loads and unloads quickly, for fast changes.
*About 2 sec when the unit is in power save mode.

■ IEEE 1394 Digital Interface

The AJ-SDC615's DVCPRO terminal complies with the IEEE 1394 digital interface standard. Use it to upload recorded materials directly to a nonlinear editor or server. The AJ-SDC615 works as both player and recorder. This makes it easy to use the AJ-SDC615 in PC-based operations.

■ Locking Audio Dial

You can lock the audio level dial for the mic/line input on the rear panel by simply pressing it. Once you've set the dial where you want it, lock it in place to prevent mistakes.

■ Interval REC
The interval REC function (minimum interval: 2seconds) is ideal for time lapse recording, such as in environmental, scientific or industrial applications calling for observation or surveillance.

■ Digital Recording Quality
The AJ-SDC615 records a full 66 minutes of pictures and sound on a single, compact tape (AJ-P66MP). Quality is superb thanks to the 5.75-MHz video bandwidth (Y) and 2-channel PCM sound. The AJ-SDC615 also adds advanced error correction features to assure excellent reliability.

■ Light Weight, Low Power Consumption
In ready-to-shoot condition — with lens, 1.5″ viewfinder, cassette and battery pack in place — the AJ-SDC615 weighs about 5 kg (body 4.1 kg; approx.). It offers low power consumption of 24W when recording..

■ System and Options
• Accepts a "Slot-In" wireless receiver
• UMID standards, GPS data recording with the optional AJ-GPS900G GPS unit
• 48V phantom microphone power supply
• Simple camera remote with the optional AJ-EC3E Extension Control Unit (ECU)
• Anton/Bauer gold mount plate (installed)
• 26-pin multi-cable camera remote system support (not available in some areas.)

■ Additional Features
• 4-position (3200K, 5600K+1/8ND, 5600K, 5600K+1/64ND) optical filter
• One-touch camera status report
• Electronic shutter of 1/60, 1/120, 1/250, 1/500 1/1000 and 1/2000 sec, plus synchro-scan (1/50.4 to 1/248 sec)
• Marker selector to display the 4:3 (side clop) screen marker when using the wide viewfinder

• One-touch rec review function
• Built-in gen-lock function
• Built-in monitor speaker
• Video In capability
• Colour playback capability
• Built-in SMPTE/EBU time code generator/reader and TC input and output
• Built-in SMPTE/EBU colour bar generator

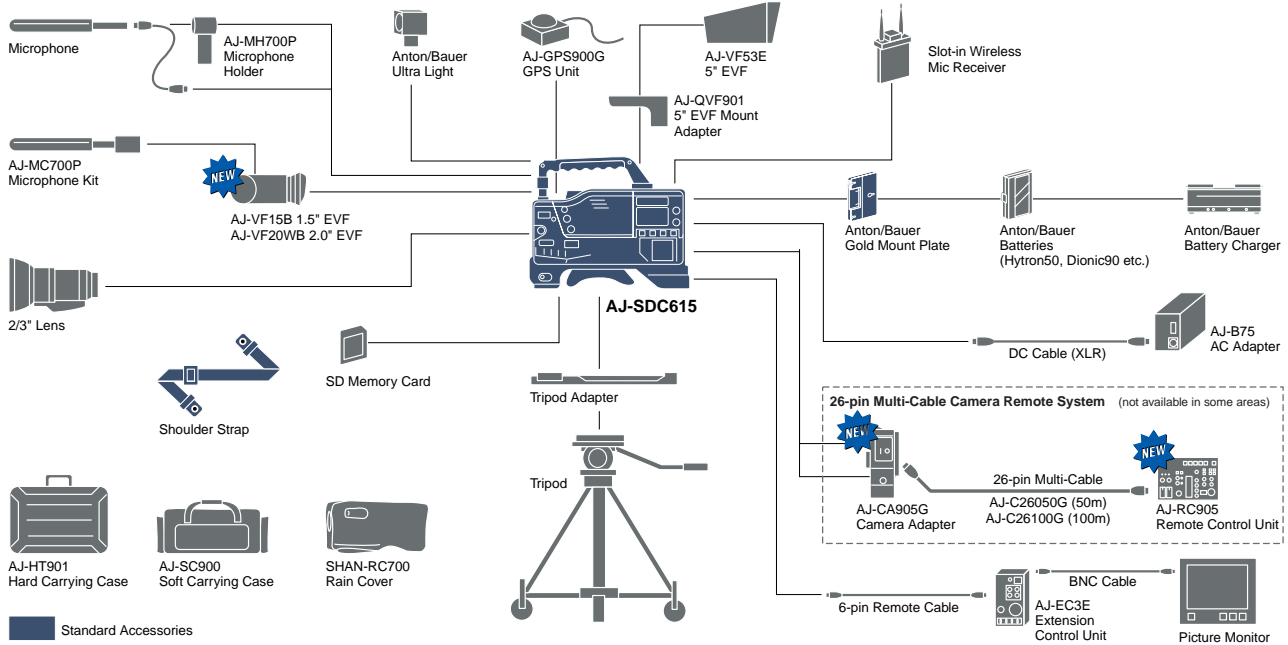### 26-pin Multi-Cable Remote System
Developed specifically for DVCPRO camera recorders, this simple, easy-to-use camera remote system brings outstanding cost-performance to a wide range of applications.

* This system is not available in some areas.

Microphone
AJ-MH700P Microphone Holder
Anton/Bauer Ultra Light
AJ-GPS900G GPS Unit
AJ-VF53E 5" EVF
Slot-in Wireless Mic Receiver
AJ-QVF901 5" EVF Mount Adapter
AJ-MC700P Microphone Kit
NEW
AJ-VF15B 1.5" EVF
AJ-VF20WB 2.0" EVF
Anton/Bauer Gold Mount Plate
Anton/Bauer Batteries (Hytron50, Dionic90 etc.)
Anton/Bauer Battery Charger
2/3" Lens
SD Memory Card
AJ-SDC615
DC Cable (XLR)
AJ-B75 AC Adapter
Shoulder Strap
Tripod Adapter

26-pin Multi-Cable Camera Remote System (not available in some areas)
NEW
AJ-CA905G Camera Adapter
26-pin Multi-Cable
AJ-C26050G (50m)
AJ-C26100G (100m)
NEW
AJ-RC905 Remote Control Unit

Tripod

AJ-HT901 Hard Carrying Case
AJ-SC900 Soft Carrying Case
SHAN-RC700 Rain Cover

6-pin Remote Cable
AJ-EC3E Extension Control Unit
BNC Cable
Picture Monitor

■ Standard Accessories

GENERAL

Power Supply:	DC 11V to 17V
Power Consumption:	24W (without VF)
Operating Humidity:	10% to 85%
Operating Temperature:	0°C to +40°C
Storage Temperature:	−20°C to +60°C
Weight:	About 4.1 kg
Dimensions (W x H x D):	129 x 204 x 313 mm
Continuous Rec Time:	About 120 min. with Anton/Bauer Hytron 50

CAMERA SECTION

CCD Elements:	2/3″ IT CCD (x 3)
Picture Elements:	600,000 pixels
Optical Filters:	1: 3200K, 2: 5600K+1/8ND, 3: 5600K, 4: 5600K+1/64ND
Quantization:	12 bits
Sampling Frequency:	18 MHz
Programmable Gain:	−3/0/+3/+6/+9/+12/+15/+18/+21/ +24/+27/+30 dB
Super Gain:	+30/+36/+42/+48 dB
Digital Super Gain:	+6/+12/+20 dB
Sensitivity:	F13.0 at 2000 Lux, 89.9% reflect
Minimum Illumination:	0.01 Lux at F1.4 (+48dB Gain +20dB DS Gain)
Shutter Speed:	1/60, 1/120, 1/250, 1/500, 1/1000 and 1/2000 sec.
Syncro Scan Shutter:	1/50.4 to 1/248 sec.
Video S/N:	62 dB (typical)
Horizontal Resolution:	750 TV lines at centre
Vertical Resolution:	450 TV lines, 500 TV lines (Super V mode)

Registration Error:	Less than 0.05% (whole zone, without lens distortion)
Optical System:	F 1.4 prism system
Lens Mount:	2/3" bayonet type

VTR SECTION

Tape:	1/4″ DVCPRO M-size cassette tape
Tape Speed:	33.854 mm/s
Max Rec Time:	66 min using AJ-P66MP
FF/REW Time:	About 1.5 min. (using AJ-P66MP)

VIDEO

Sampling Frequency:	Y: 13.5 MHz, PB/PR: 3.375 MHz
Quantization:	8 bits
Error Correction:	Reed Solomon Product Code
Compression Method:	DCT and Variable-length Coding
Compression Ratio:	5:1
Bit Rate:	25 Mbps
Band Width*:	Y: 30 Hz to 5.75 MHz, +1.0/−3dB
S/N Ratio*:	More than 55 dB

AUDIO

Sampling Frequency:	48kHz (sync. with video)
Quantization:	16 bits
Frequency Response*:	20Hz to 20kHz, ±1.0dB (reference level)
Dynamic Range*:	More than 85dB (1kHz, AWTD)
Distortion*:	Within 0.1% (1kHz, reference level)
Wow & Flutter*:	Below measurable limit
Head Room*:	18 dB

INPUT

Audio IN:	XLR-3 x 2 (CH1, CH2), LINE/MIC/MIC+48V switchable, LINE: 0/+4 dBu, MIC: −60/−50 dBu, MIC+48V: Phantom +48V, −60/50 dBu
MIC IN:	XLR x 1, balanced, 3 kΩ −50/−40 dBu selectable, Phantom +48V (On/Off)
Wireless IN:	25P D-sub, −40 dBu
Genlock IN:	BNC x 1, 1.0Vp-p 75Ω
TC IN:	BNC x 1, 0.5 to 8.0Vp-p, high impedance

OUTPUT

Video OUT:	BNC x 1, 1.0Vp-p 75Ω
Audio OUT:	XLR-5 x 1 (CH1/CH2) 0dBu/+4dBu selectable, balanced, low impedance
Monitor OUT:	BNC x 1, 1.0Vp-p 75Ω
TC OUT:	BNC x 1, 2.0Vp-p, low impedance
Phones:	Stereo mini jack x 2

OTHERS

DVCPRO:	6P x 1, IEEE 1394 digital interface
DC IN:	XLR-4 x 1, DC11V to 17V
DC OUT:	4P x 1, DC11V to 17V, 1A
Lens:	12P x 1
ECU:	6P x 1, for AJ-EC3E
EVF:	20P x 1
GPS:	6P x 1, for AJ-GPS900G

*The specifications given above were measured by playing back tapes recorded by this unit on standard DVCPRO VTRs
Weight and dimensions shown are approximate.
Specifications are subject to change without notice.
These products may be subject to export regulations.

Panasonic

[Countries and Regions]

Argentina	+54 1 308 1610	Kazakhstan	+7 3272 504 777	Spain	+34 (93) 425 93 00
Australia	+61 2 9887 6222	Kuwait	+965 481 2123	Sweden	+46 (8) 680 26 41
Austria	+43 (0)1 610 80 773	Lebanon	+961 1 216827	Switzerland	+41 (0)41 259 96 32
Bahrain	+973 252292	Malaysia	+60 3 5549 5422 (PSE)	Thailand	+66 2 731 8888
Belgium	+32 (0)2 481 04 57		+60 3 5546 7000 (PM)	Turkey	+90 216 578 3700
Bulgaria	+359 2 946 0786	Montenegro, Serbia*		U.A.E.	+971 4 282201
China	+86 10 6515 8828		+41 (0)26 466 25 20	Ukraine	+380 44 4903437
(Hong Kong)	+852 2313 0888)	Netherlands	+31 73 64 02 577		+380 44 4903438
Czech Republic	+420 236 032 552/511	New Zealand	+64 9 272 0100		[ext. 112]
Denmark	+45 43 20 08 57	Norway	+47 67 91 78 00	U.K	+44 (0) 1344 70 69 20
Egypt	+20 2 3938151	Pakistan	+92 5370320 21		
Finland, Latvia, Lithuania, Estonia*		Philippines	+63 2 633 6162		
	+358 (9)521 52 53	Poland	+48 (22)338 1100		
France	+33 (0)1 49 46 43 59	Portugal	+351 21 425 77 04		
Germany	+49 (0)611 235 401	Romania	+40 21 211 4855		
Greece	+30 210 96 92 300	Russia & CIS	+7 095 258 42 06		
Hungary	+36 (1)382 60 60	Saudi Arabia	+966 1 465 0709		
Indonesia	+62 21 801 5666	Singapore	+65 6270 0110		
	+62 21 385 9449	Slovak Republic	+421 (0)2 52 92 14 23		
Iran	+98 21 2271463	Slovenia, Croatia, Bosnia, Macedonia*			
Italy	+39 02 67 88 449		+44 (0)20 76 63 36 57		
Jordan	+961 6 586 1914	South Africa	+27 11 313 1400		

JQA CERTIFIED MANAGEMENT SYSTEM
ISO 9001
JQA-0443

JAB EMS Accreditation RE 009
ISO 14001 JACO
ORGANIZATION FOR ENVIRONMENT AND CERTIFICATION · JAPAN AUDIT AND QUALITY
UKAS ENVIRONMENTAL MANAGEMENT 051