

SONY®

PAL

Digital Camcorder

DSR-200AP

DVCAM™



CE Version

The Sony DSR-200P Digital Camcorder is already used by professional around the world for a wide range of video acquisition applications, thanks to its compact, lightweight and the superior picture quality of the digital signal processing DSP and DVCAM™ format.

To meet varying demands in the video acquisition market, Sony is now introducing an enhanced version - the DSR-200AP Digital Camcorder - which incorporates powerful features including minimum illumination of 3 lux, OSD (On Screen Display) ON/OFF capabilities, Time/Date superimposition and much more. With these additional features, the DSR-200AP is the ideal choice for video journalists, event photographers and production houses.

Superior Picture Quality

DSP Digital Signal Processing

The DSR-200AP offers superior pictures by adopting 10-bit digital signal processing. DSP technology brings high stability and reliability.

In addition, the digital signal is digitally transferred from the camera to the VTR without any signal degradation and minimal signal loss.

Three CCDs

The DSR-200AP incorporates three 1/3-inch CCDs which contribute to the high fidelity of the camcorder's colour reproduction and its compactness. Each CCD consists of 470,000 pixels (440,000 effective pixels).

DVCAM Recording and Playback

The DSR-200AP uses the DVCAM format to provide high video and audio quality and reliability for professional use. The 8-bit component digital recording with a 5:1 compression ratio and sampling at the rate of 4:2:0 provides superior picture quality and multi-generation performance.

DV Playback

The DSR-200AP is capable of playing back standard size consumer DV format tapes. (SP mode only)

Long Recording and Operating Hours

Standard size DVCAM cassettes should be used for recording with the DSR-200AP. With the standard DVCAM cassette, it can record up to 184 minutes. With three Sony NP-F950 Battery Packs in the Sony NPA-10000/B Battery Holder, the unit typically achieves of up to 450 minutes (full charge)/ 405 minutes (normal charge) without zooming or power on/off operation, or 240 (full charge)/210 minutes (normal charge) with zooming and power on/off operation.

High Quality Audio Recording

The DSR-200AP is capable of PCM (Pulse Code Modulation) digital recording of stereo sound both in 32 kHz mode (4-channel/ 12-bit non-linear) and in 48 kHz mode (2-channel/16-bit linear). In 32 kHz mode, the DSR-200AP records audio on two channels during shooting, and another stereo channel can be added. If higher sound quality is required, equivalent to DAT, record in 48 kHz mode.



Front View



Rear View

Side View (Left)



Operational Convenience

Lightweight 10 lb 8 oz (4.7 kg)

The magnesium diecast body of the DSR-200AP is lightweight and very robust. The total weight of the DSR-200AP with a cassette tape and the NP-10000/B Battery Holder containing three NP-F950 Battery Packs is 4.7 kg (10 lb 8 oz).

Non-Removable lens

The DSR-200AP incorporates non-removable lens to enhance the operational convenience. Non-removable lens allows the following functions.

* Optical Steady Shot Function

The optical Steady Shot function of the DSR-200AP compensates for camcorder movement by using an active prism mechanism. Unlike compensation by frame memories, the optical Steady Shot function compensates for movement without deterioration of image quality.

* Auto/ Manual Operation

The DSR-200AP offers automatic and manual control of focus, iris, gain, white balance and shutter speed. For instant shooting, automatic mode is very helpful. Automatic mode can be easily overridden by switching to manual mode.

Enhanced Minimum Illumination

The DSR-200AP can shoot pictures under low light conditions (as low as 3 lux). This allows event photographers to shoot clear pictures even where there is poor lighting - for example, in a church or at other indoor events.

Time/date Superimposition on Video Out Pictures

The time and date can be superimposed onto the video out signal simply by selecting time/date superimpose mode from the menu. This is a useful feature when evidence recording is required.

Easy-to-Use Viewfinder

The DSR-200AP has a new 1-inch black and white viewfinder which features a high horizontal resolution of 550 TV lines. On the viewfinder, you can choose to see On Screen Display including time code, camera conditions, battery remaining indicator by simply setting OSD ON/OFF switch. You have also a choice to select only time code ON/OFF on OSD for easy focusing.

RMT-807 Remote Controller (Supplied)

Basic commands such as recording and playback can be made using the Sony RMT-807 Wireless Remote Controller supplied with the DSR-200AP.



VCT-U14 Tripod Adaptor (Option)

With its V-wedge shoe, the DSR-200AP can be instantly mounted on or detached from the optional Sony VCT-U14 Tripod Adaptor designed for professional use. With the VCT-U14, the DSR-200AP can be securely attached to a tripod.

NPA-10000/B (Option)

The optional NPA-10000/B holds three NP-F950 Battery Packs. Even during shooting, an exhausted battery pack can be exchanged without interrupting any functions, if power continues to be supplied from other connected batteries.



Editing Features

Time Code Capability

The DSR-200AP has a time code capability which allows precise editing. With the "TC RESET" button, the time code can be reset to "00:00:00:00".

i.LINK (IEEE 1394-based)

The DSR-200AP incorporates an i.LINK (DV OUT) connector based on the IEEE 1394 standard. When connected with another recorder/player via i.LINK, video/audio and data can be transmitted with virtually no deterioration of quality.



LANC Editing

The DSR-200AP is equipped with a LANC interface. By connecting a LANC-based recorder or editing system, simple editing can be performed.

Other Features

Photo mode
XLR connector for professional microphones
Stereo microphone



Side View (Right)

Optional Accessories



AC-V625/B
One-battery AC
Adaptor/Charger



NP-F950
Rechargeable Battery
Pack



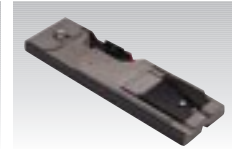
NPA-10000/B
Three-battery Holder



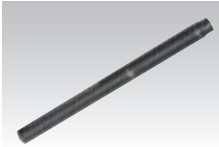
ACC KIT-201
Consisting of three
NP-F950
one NPA-10000/B and
one AC-V900/B



AC-V900/B
Three-battery Charger/AC
Adaptor



VCT-U14
Tripod Adaptor



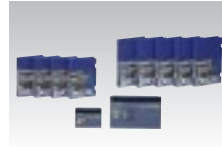
ECM-672
Electret Condenser
Microphone



CAC-12
Microphone Holder

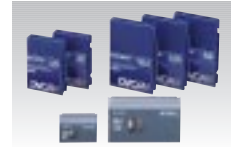


DSBK-201
Adaptor for WRR-810A
Wireless Microphone
Receiver



PDVM-12ME/22ME/32ME/40ME
Digital Video Cassette (Mini size)

PDV-34ME/64ME/94ME/124ME/184ME
Digital Video Cassette (Standard size)



PDVM-32N/40N
Digital Video Cassette
(Non IC type) (Mini size)

PDV-64N/124N/184N
Digital Video Cassette
(Non IC type) (Standard size)

Specifications

LENS

Zoom:	10 x Zoom (f = 5.9 to 59 mm) (20 x Digital Zoom)
Filter diameter:	52 mm
Iris:	Auto/Manual (F1.6 to 11) and Close

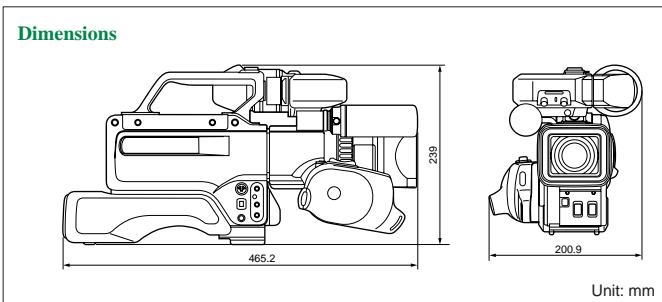
CAMERA

Image device:	3 CCD 1/3-inch, Interline-Transfer Sensor
Picture elements:	752 (h) x 582 (v) (effective), 795 (h) x 596 (v) (total)
Signal system:	CCIR standard, PAL Colour system
Scanning system:	2:1 Interlaced, 625 lines, 50 fields/sec.
Gain:	Auto/ Manual(-3, 0, 3, 6, 9, 12, 15, 18 dB)
Shutter control:	Auto/Manual(1/3, 1/6, 1/12, 1/25, 1/50, 1/100, 1/215, 1/425, 1/1000, 1/1750, 1/3500, 1/10000 sec.)
White balance:	ATW/One-push auto/5800 K/3200 K
Minimum illumination:	3 lx
Recommended illumination:	More than 100 lx
Viewfinder:	1-inch black and white CRT
Built-in microphone:	One-point stereo-type electret condenser microphone, directivity selectable (0°/90°/120°)
Built-in speaker:	Dynamic speaker

VTR

Tape speed:	Approx. 28.193 mm/s.(DVCAM mode)
Maximum recording time:	184 minutes (with PDV-184ME)

Dimensions



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VIDEO:

Video signal:	CCIR standard, PAL Colour system
Output:	Composite: BNC x 1, Pin jack x 1, 1.0Vp-p, 75 Ω, Sync negative
S-Video:	4-pin mini-DIN connector x 1
Y:	1.0 Vp-p, 75 Ω, unbalanced
C:	0.3 Vp-p (subcarrier burst), 75 Ω, unbalanced

AUDIO

Audio signal:	REC: 48 kHz/16-bit, 32 kHz/12-bit, PB: 48 kHz/16-bit, 32 kHz/12-bit, 32 kHz/16-bit, 44.1 kHz/16-bit
Input:	XLR 3-pin x 2 (MIC/LINE selectable) Stereo mini jack x 1
Output:	Phono jack x 1 (L&R x 1)

DIGITAL OUT:

i.LINK (DV OUT), IEEE1394-based, 4-pin x 1

OTHER CONNECTORS

LANC:	Stereo mini-mini jack x 1
Headphone jack:	Stereo mini jack x 1
RFU DC output:	Special mini jack x 1 (DC 5 V)
External DC input:	4-pin for DK-715 cable
Viewfinder interface:	8-pin connector

GENERAL

Operating temperature:	0 C° to 40 C° (32 F° to 104 F°)
Storage temperature:	-20 C° to 60 C° (-4 F° to 140 F°)
Power requirement:	DC 7.2 V (Battery operation), DC 8.4 V (AC adaptor)
Power consumption:	11.6 W (during camera recording)
Dimensions (w x h x d):	216 x 237 x 474 mm (8 5/8 x 9 3/8 x 18 3/4 inches)
Mass:	Approx. 3.6 kg (7 lb 15 oz) (without a tape and batteries) Approx. 4.7 kg (10 lb 8 oz) (with a tape and three NP-F950 in NPA-10000/B)

SUPPLIED ACCESSORIES:

RMT-807 Wireless Remote Controller (x 1)
AV stereo cable (x1)
S cable (x1)
R6 batteries (x2)
Lens cap (x1)
Shoulder pad (x1)
Side pad (x1)
Operation manual (x1)

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