

SONY

DSR-45AP

DVCAM Compact Recorder with versatile interfaces



The DSR-45AP is a new versatile DVCAM digital videocassette recorder designed ideal for use as a source feeder in both nonlinear and linear A/B roll editing systems.

Its i.LINK interface allows seamless integration into compatible DV-based editing suites. In addition, analogue component connectors allow the unit to accept and transfer high-quality video and audio. For external control, the DSR-45AP comes with RS-422A and RS-232C interfaces as standard. Equipped with a 2.5-inch built-in LCD, the DSR-45AP displays the video signal in addition to information such as audio level and system status.

The DSR-45AP is the videocassette recorder of choice for small to medium-sized production facilities.

Diagrams of the front and rear panels are included in the 'Brochures' section.

Features

DV format recording and playback

With your DSR-45AP you can record and play back DV format tapes (SP mode only) as well as DVCAM format. In DV format the DSR-45AP offers 270 minutes of recording with standard-size cassette.

i.LINK interface

Using the integrated 4-pin i.LINK interface you can duplicate entire tapes and transfer audio, video and command signals to a PC.

Analogue video/audio interface

The DSR-45AP provides a full range of analogue video inputs/outputs, including composite, S-Video and component, plus 4-channel separate XLR connectors for analogue audio output. This makes it easy to integrate the DSR-45AP into an existing analogue-based system.

RS-422A & RS-232C interface

The Sony DSR-45AP is equipped with RS-422A interface, which allows it to perform as a source feeder in professional A/B roll editing systems. Also RS-232C interface allows basic VTR functions to be controlled from a PC.

Timecode input/output

The DSR-45AP is equipped with time code input/output capability, enabling time code synchronization with external equipment, which is ideal for dubbing purposes.

Timecode write through i.LINK

The DSR-45AP can copy time code from a non-tape source through i.LINK. This is useful when video is edited on a PC or other NLE system has new timecode.

Colour bar generator and Tape counter

The DSR-45AP has a colour bar generator that can be activated from the set-up menu. In addition, the system comes with a digital tape counter on the front panel, which is convenient for performing relative time code data editing, and for monitoring the operation of the unit.

Wireless remote commander supplied

The DSR-45AP comes with a wireless remote commander, RMT-DS5, which provides menu control for precise settings. Most of the VCR's functions can be controlled from the commander, making it ideal for use during presentations.

Benefits

DVCAM / DV(SP) recording & playback ensures perfect compatibility

While the DVCAM format delivers superior A/V performance and reliability for professional use, when you need to record and playback in DV(SP) format, the DSR-45AP offers you this choice too.

LCD monitor lets you check as you go

You can use the high resolution built-in LCD colour monitor to view the image as it records, or to check the playback picture on the location. It also makes setting menus and audio recording levels easier.

One machine, many ways of using it

If your need is versatility, the DSR-45AP is your solution. Use it as the editing player in an A/B roll or a cut editing

system. Or, use it with your conventional analogue system.

Compact and lightweight

The DSR-45AP is both compact and lightweight, weighing just 4.6kg. Only a half-rack wide, two units can be mounted side-by-side in a 19-inch equipment rack.

i.LINK interface

The integrated i.LINK interface allows you to transfer digital audio and video through a single-cable connection with virtually no loss in quality. This provides an easy and convenient way to make back-up tapes.

Signal conversion

Analogue input signals can be converted to digital and simultaneously output from the i.LINK connector. Also, it can convert i.LINK input signal to analogue signals.

Technical Specifications

Power Requirements	AC 100-240 V, 50/60 Hz
Weight	4.6 kg
Dimensions(WxHxD)	212 x 98 x 392.8 mm
Power Consumption	22W
Tape Speed	Approx. 28.2 mm/sec.(DVCAM mode)
Video System	625/50 (PAL)
Colour LCD monitor	2-inch type, 123,200 dots

Video Input

Composite	BNC x1, 1.0 Vp-p, 75 ohm. Sync negative
Component	BNC x3, Y: 1.0 Vp-p, 75 ohm, Sync negative, R-Y: 0.7 Vp-p, 75 ohm (100%), B-Y: 0.7 Vp-p, 75 ohm (100%)
S-Video	DIN 4-pin x1, Y: 1.0 Vp-p, 75 ohm, Sync negative, C: 0.3 Vp-p (subcarrier burst), 75 ohm

Video Output

Composite	BNC x1, 1.0 Vp-p, 75 ohm. Sync negative
Component	BNC x3, Y: 1.0 Vp-p, 75 ohm, Sync negative, R-Y: 0.7 Vp-p, 75 ohm (100%), B-Y: 0.7 Vp-p, 75 ohm (100%)
S-Video	DIN 4-pin x1, Y: 1.0 Vp-p, 75 ohm, Sync negative, C: 0.3 Vp-p (subcarrier burst), 75 ohm
Audio Input	Phono jacks (x4), -10/-2/+4 dBu (full bit -18dB)

Audio Output

Line	XLR 3-pin male (x4), +4 dBu
Monitor	Phono jack (x1), monaural
Headphone	Stereo mini headphone jack (x1)
Digital IN/OUT	DV IN/OUT, IEEE1394 based, 4 pin x 1
RS-232C	D-sub 9-pin x1, male
RS-422A	D-sub 9-pin x1, female
LANC	Stereo mini jack x1
Control S	Stereo mini jack IN x1

Supplied Accessories

Cleaning Cassette
RS-232C Interface Manual

2x AA dry batteries for Remote
commander
Wireless Remote Commander
RMT-DS5
AC Power Cord