NTSC/PAL | Digital Videocassette Recorder

SONY

DVCAM™

DSR-11

For

Professional

Results

The DSR-11 -

An Ideal VTR for

Your Nonlinear Editing Needs

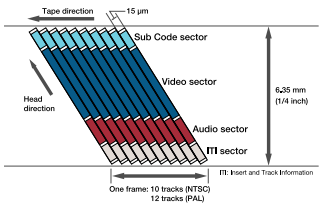
The Sony DSR-11 DVCAM™ Digital Videocassette Recorder, with its unique design and small footprint, can be easily integrated into your existing nonlinear editing system.

Providing basic VTR features, along with an i.LINK™ interface and NTSC/PAL compatibility, this VTR provides a highly powerful, yet cost-effective option for nonlinear editing systems.

DSR-11

Main Features

The DVCAM Format for Excellent Picture and Sound Quality



The DSR-11 uses the DVCAM format, the professional extension of the worldwide standard DV format. The DVCAM format uses 8-bit digital component recording with a 5:1 compression ratio and a sampling rate of 4:1:1 (for NTSC) / 4:2:0 (for PAL). The unique compression algorithm provides excellent picture quality and superb multi-generation performance.

It also offers superior digital audio performance, providing a wide dynamic range and excellent signal-to-noise ratio that are comparable to CD quality. Alternative audio channel modes can be selected: a two-channel mode with 48 kHz/16-bit recording or a four-channel mode with 32 kHz/12-bit recording.

Standard and Mini Cassette Compatibility

DVCAM cassette tapes are available in two sizes: standard and mini. The standard-size DVCAM cassette provides a recording time of up to 184 minutes, while the mini-size cassette provides up to 40 minutes.

Mini-size cassette

Standard-size cassette

DV Format Recording and Playback

The DSR-11 is capable of recording and playing back DV format tapes (SP mode only)*. The standard-size cassette can record for up to 270 minutes, while the mini-size cassette records for 60 minutes.

* The transition from cut to cut may not be smooth when recorded in DV (SP) format. In between scenes where the recording format is changed from DV to DVCAM, or vice versa, transition may not be smooth. This is a normal and expected phenomenon.

NTSC/PAL Compatible

The DSR-11 has the unique feature of being NTSC/PAL compatible. It can record and playback tapes with either color system*.

* The DSR-11 does not convert signals from NTSC to PAL, or vice versa. When recording through the analog input, the switch on the rear panel must be manually set to the color system of the original source.

i.LINK Interface

The DSR-11 is equipped with a 4-pin i.LINK connection. This connection allows easy duplication of entire tapes as well as one-cable digital transfer of audio, video and command signals to a connected VTR or PC. When downloading video via the i.LINK connection, you can also copy the timecode from a non-VTR source, such as video that has been edited on a PC.

* i.LINK stands for IEEE 1394-1995 standards and their revisions. is the logo for products that implement i.LINK.

DV EE OUT

Signals from analog input can be converted into digital signals, and can be simultaneously output from the i.LINK connector.

Compact, Unique Design

The DSR-11 has a unique design. With its small footprint, you can unobtrusively add the DSR-11 to your existing work environment - placing it either horizontally or vertically.

Cassette compartment lid closed

Cassette compartment lid open

Auto Repeat Function

When set to Auto Repeat, the DSR-11 can repeatedly play back a program. Just after the DSR-11 reaches the end of the tape, the first complete blank portion, or the first index point, it automatically rewinds and repeats playback of the segment*.

* The DSR-11 ignores any blank or index point in the first 20 seconds of the tape.

Wireless Remote Control

The DSR-11 comes equipped with the RMT-DS11 wireless remote control. This remote control provides menu control for precise settings, as well as remote control for presentations.

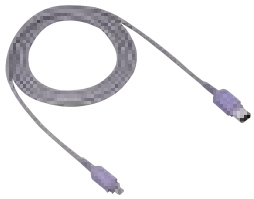
Rear View

Other Control Terminals

The DSR-11 is equipped with a LANC terminal, as well as a Control S terminal, to which an optional Control S Remote Control Unit DSRM-20 can be connected for jog and shuttle operation.

Optional Accessories

VMC-IL4408/4415/4435
i.LINK Cable (4-pin to 4-pin)



VMC-IL4615/4635
i.LINK Cable (4-pin to 6-pin)

DSRM-20
Remote Control Unit

DSR-11 Specifications

● General		
System		NTSC/PAL switchable
DC input		DC jack type 4 x 1 (12 V)
Power consumption		15 W
Operating temperature		5 to 40 °C (41 to 104 °F)
Storage temperature		-20 to 60 °C (-4 to 140 °F)
Tape speed		Approx. 28.2 mm/sec (DVCAM mode), Approx. 18.8 mm/sec (DV SP mode)
Recording/Playback time		184 minutes (DVCAM mode), 270 minutes (DV SP mode), with PDV-184ME cassette 40 minutes (DVCAM mode), 60 minutes (DV SP mode), with PDVM-40ME cassette
Mass		2.8 kg (6 lb 2 oz), excluding battery and tape
Dimensions		180 (W) x 69 (H) x 258.4 (D) mm (7 1/8 x 2 3/4 x 10 1/4 inches), excluding projections
● Video		
	Rec Mode	DVCAM/DV (SP mode only)
	PB Mode	DVCAM/DV (SP mode only)
● Audio		
Rec Mode		48 kHz: 16 bit: 2ch / 32 kHz: 12 bit: 4ch / automatic (DV IN)
PB Mode		48 kHz: 16 bit: 2ch / 32 kHz: 12 bit: 4ch / 32 kHz: 16 bit: 2ch / 44.1 kHz: 16 bit: 2ch (automatically selected)
● Input/Output Terminals		
Video IN	Composite	RCA pin, 1.0 Vp-p, 75 Ω, Sync negative
	S Video	4-pin mini DIN Y: 1.0 Vp-p, 75 Ω, Sync negative C: 0.286 Vp-p (NTSC) 0.3 Vp-p (PAL) (subcarrier burst), 75 Ω
Audio IN		RCA pin x 2 (L, R) Input level: 2 V rms (full bit) Input impedance: more than 47 kΩ
Video OUT	Composite	RCA pin, 1.0 Vp-p, 75 Ω, Sync negative
	S Video	4-pin mini DIN Y: 1.0 Vp-p, 75 Ω, Sync negative C: 0.286 Vp-p (NTSC) 0.3 Vp-p (PAL) (subcarrier burst), 75 Ω
Audio OUT		RCA pin x 2 (L, R) Output level: 2 V rms (full bit) Output impedance: less than 10 kΩ
DV IN/OUT		4-pin
Control S		Stereo mini jack
LANC		Stereo minimini jack
● Supplied Accessories		
		AC Adaptor, Power cord, Wireless Remote Commander RMT-DS11, AA Dry Batteries for Remote (2), Stand, Cleaning Cassette

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