



Digital Videocassette Recorder

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.

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.

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 play back tapes with either colour system*.

* The DSR-11 does not convert signals from NTSC to PAL, or vice versa. When recording through the analogue input, the switch on the rear panel must be manually set to the colour 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 time code 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 analogue 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.

Auto Repeat Function

When set to Auto Repeat, the DSR-11 can repeatedly play back a programme. 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 the 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.

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.



DRS-11 Specifications

General

System	NTSC/PAL switchable
DC input	DC jack type 4 x 1 (12V)
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)
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 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 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 mini-mini jack

Supplied Accessories

AC Adaptor, Power cord, Wireless Remote Commander RMT-DS11, AA Dry Batteries for Remote (2), Rack, Cleaning Cassette, Operational Manual

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



Rear View



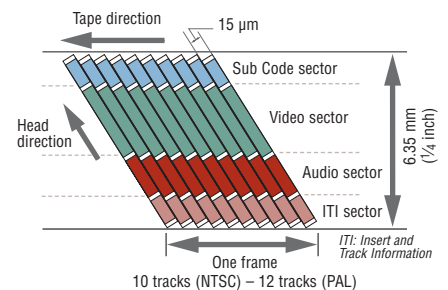
DVCAM Silver Support Pack

Silver Support

The DVCAM line is backed by the Sony professional service infrastructure. Professional customers need professional service and support. As a result, Sony offers you an enhanced support services for DVCAM products. DVCAM products are supplied as standard with a two year Silver Support Pack, in addition to warranty, as standard. This means unique extra services for twice as long including:

- **2 YEARS SUPPORT**
Silver Support extends the support period given in Standard Warranty from 1 to 2 years.
- **OPERATIONAL HELPDESK**
The helpdesk provides operational advice so that you can get the most out of your DVCAM equipment and maximise its performance.
- **REPAIR WITHIN 7 DAYS**
Sony will collect, repair and return the unit to your preferred location within 7 working days.
- **LOAN**
If the repair is likely to exceed 7 working days, Sony will provide a loan unit for the remaining duration of the repair.
- **COLLECTION ANYWHERE**
Sony will arrange collection of the faulty unit directly from and deliver directly to your location – anywhere in mainland EU, Norway or Switzerland.

DVCAM Format



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