SONY

NTSC

Digital Videocassette Recorder

DSR-2000

DVCAM™

The Launch of the Revolutionary DVCAM

The DSR-2000 is Sony's top-of-the-line DVCAM editing recorder equipped with a variety of professional features controlled via an ergonomically designed front panel. The DSR-2000 also breaks through some previous limitations; firstly, all DV (25 Mbps) format recorded tapes can be used in the DSR-2000! Secondly, indispensable features for broadcasting use, such as Preread, DMC (Dynamic Motion Control) and two-machine editing are fully supported.
Once you try the DSR-2000, it will soon become the cornerstone of a highly reliable and flexible DV/DVCAM based editing system.

Preliminary

MAIN FEATURES

The DVCAM Digital Component Recording Format

The DVCAM format is the professional extension of the worldwide-agreed consumer DV format. A wide track pitch of 15 µm ensures guaranteed interchangeability among all DVCAM equipment for professional use. In addition to its high picture quality, the DVCAM format supports both two-channel and four-channel audio modes.
DVCAM videocassette tapes are available in two sizes: mini and standard. With the standard size cassette, up to three hours of recording is possible.

Playback Compatibility with All DV (25 Mbps) Format

Because of its digital quality and reliability, consumer DV products have found their way into the broadcast community. And because of the widening acceptance, the DSR-2000 is designed to support all DV (25 Mbps) format recorded tapes including DV tapes recorded in LP mode and DVCPRO tapes without any adaptor.

Preread Editing Capability

Thanks to newly developed digital processing, the DSR-2000 incorporates a preread editing capability never before offered in a 6.35 mm (1/4 inch) VTR. This feature allows the editor to execute a picture transition with effects between two VTRs as well as audio mixing/audio channel swapping with frame accuracy. Moreover, when performing over dubbing of audio, the usual delay experienced at an editing point is eliminated.

DMC (Dynamic Motion Control)

Equipped with Sony's Dynamic Motion Control function, the DSR-2000 provides noiseless slow-motion playback within the range of –1 to +1 times normal speed. This also makes it possible to use the Dynamic Tracking™ (DT) function via the DSR-2000.

Functionally Designed Operating Panel

Incorporating a front panel with a built-in Jog/Shuttle dial allows two-machine editing.
An optional front panel (DSBK-200) enables the editor to perform the functions of the DSR-2000 from a distance of up to 10 m.

Excellent Editing Performance

Quick, mechanical response time is an essential requirement for professional editing. To achieve this, the DSR-2000 uses a direct reel and drum motor mechanism. The DSR-2000 has the industry standard RS-422A Sony 9-pin remote control interface. So it is easily integrated into conventional editing suites, thus creating a user-friendly, professional editing environment.

Versatile Interfaces

All conventional analog interfaces for video, audio and time code are supported by the DSR-2000. In addition, it has digital interfaces such as the SDI, SDTI(QSDI™), AES/EBU as standards, and i.LINK™ (DV In/Out), SDTI (MPEG Out) as options.

Other Features

- *Sony's ClipLink™ shot logging function is supported, so that an ideal DVCAM nonlinear editing suite can be assembled when the DSR-2000 is integrated into an ES-7 or ES-3 EditStation™ system.*
- *VITC (Vertical Interval Time Code) and closed caption data are supported through all video signal interfaces.*
- *Built-in signal generator for video and audio*

SPECIFICATIONS

GENERAL

Power consumption	Approx. 110 W
Mass	18 kg (39 lb 1 oz)
Dimensions (W x H x D)	427 × 175 × 496.5 mm (16 7/8 × 7 × 19 5/8 inches)

INPUT/OUTPUT SIGNALS

Video

REF. VIDEO In	BNC × 2 (loop-through connection)
REF. VIDEO Out	BNC × 1
Composite In	BNC × 2 (loop-through connection)
Composite Out	BNC × 3
Component In	BNC × 3
Component Out	BNC × 3
S-Video In	DIN 4-pin × 1
S-Video Out	DIN 4-pin × 1

Audio

Audio In	XLR 3-pin × 4
Audio Out	XLR 3-pin × 4
Monitor	RCA × 1

Time Code

Time Code In	BNC × 1
Time Code Out	BNC × 1

Digital

SDI In	BNC × 2
SDI Out	BNC × 3
SDTI(QSDI) In	BNC × 1
SDTI(QSDI) Out	BNC × 1
SDTI Out (MPEG Out)	BNC × 1 (option)
i.LINK (DV In/Out)	IEEE1394-based, 6-pin × 1 (option)
AES/EBU In	BNC × 2
AES/EBU Out	BNC × 2

REMOTE

RS-422A	D-Sub 9-pin × 2
Video Control	D-Sub 15-pin × 1

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