



DSR70

Portable editing recorder including a 6.4 inch LCD Monitor, Audio Speaker, Jog/Shuttle Dial and Edit Function Keys. The DSR-70 has an SDI digital interface*, which allows direct connection with Betacam SX VTRs and an RS-422 interface which is used for professional editing. *NOTE: Optional interface boards (DSBK-140/150/160/170) cannot be used in combination with each other. However, these boards can be used together with the optional DSBK-180 Dual Video Input Board.

- DVCAM™ Digital Component Recording Format
- i.LINK (IEEE-1394) Interface (option)
- ClipLink™ Operation
- Dual Docking Editing System
- Two-Camera Recording & Switching
- Up to 3 Hour Recording Capability
- Accepts both mini and standard size cassettes
- Analog and Digital Interfaces
- Full Tape Dubbing with ClipLink Log Data
- AC/DC Power Supply System
- Playback Compatibility with the DV Format
- Docks to Betacam SX portable editor
- SDTI (QSDI) Interface (option)

The DVCAM Digital Component Recording Format

The DSR-70 employs the DVCAM format which uses 8-bit digital component recording with a 5:1 compression ratio and a sampling rate of 4:1:1 to provide high picture quality and superb multigeneration performance. In addition, thanks to the PCM (Pulse Code Modulation) digital stereo recording system, the DSR-70 offers superior audio performance with a wide dynamic range and an excellent signal-to-noise ratio, comparable to CD quality audio.

i.LINK (DV IN/OUT) Interface

Many video journalists use consumer DV camcorders for field acquisition because of the compactness and portability of these units. For a professional result, however, a direct digital connection is essential. With the i.LINK (DV I/O based on IEEE1394) optional interface, the DSR-70 can be directly connected to DVCAM products.

The digital i.LINK connection allows source material to be dubbed and edited with virtually no deterioration of video and audio quality. Requiring only one cable.

ClipLink™ Operations

The DSR-70 enables users to take full advantage of ClipLink information. Rough field editing makes final editing in the studio more efficient. It is ideal for field work. You can review material and prepare for final editing while on location, for example, in a hotel room. By marking the OK/NG status during shooting with a Sony DSR-130 or DSR-300 DVCAM camcorder, you can easily review your material, and change OK/NG Status on the DSR-70.

Double Deck Editor

By docking two DSR-70s together, a full featured cuts only editing system for mobile applications is created. This configuration allows VTR-to-VTR Editing with Jog/Shuttle Dial Operation. In addition, Frame Accurate Editing for both assemble and insert modes is provided by the sophisticated servo control and built-in time code generator/reader. In this configuration, you can easily Cue Up to the Designated Points (Mark In/Out points) while viewing the character display of ClipLink Log Data on the LCD screen. This helps you perform a quick picture search, improving editing efficiency. Moreover, when editing and recording from a source tape with Mark In/Out point, the DSR-70 automatically dubs previously recorded shot information, as well as, Newly Created Mark In/Out Points while editing.

Two-Camera Recording

This unique feature enables the DSR-70 operator to switch between two camera sources. While recording a shot from two cameras, (for instance shooting an orchestra from two different sides of the stage) the DSR-70 displays the two camera images on the LCD screen as Picture in Picture. By using the control panel on the DSR-70, the camera

source can be selected for recording. Additionally, the DSR-70 is capable of Displaying the Chroma Phase and Level of Zebra Pattern of the two cameras on screen.

With an intercommunication headset, the DSR-70 operator can direct camera operators to make camera level adjustments.

Tape material can be brought to the nearest office and by combining the DSR-70 and the ES-3 EditStation, editing can be completed at the desktop.

Dual-Size Cassette Mechanism

The DSR-70 has a dual-size cassette mechanism which accepts both standard size and mini size DVCAM cassette tapes without any special adaptor.

Power Requirements

DC 12 V

Power Consumption

46 W

Operating Temperature

32°F to 104°F (0°C to 60°C)

Mass

12 lbs. 12 ozs. (5.8 kg)

Dimensions

8 3/8 x 5 7/8 x 17 1/2 inches (211 x 149 x 443 mm)

Tape Speed

28.193 mm/s

Recording/Playback Time

Standard Size: More than 184 min. with PDV-184ME

Mini Size: More than 40 min. with PDVM-40ME

Fast Forward/Rewind Time

Standard Size: Less than 3 min. with PDV-184ME

Mini Size: Less than 1 min. with PDVM-40ME

INPUT SIGNALS:

Video (Analog)

Ref. Video (BNC x2, loop through connection): Composite, 1.0 Vp-p, sync negative

Video (BNC x2, loop through connection): Composite, 1.0 Vp-p, sync negative

Component (BNC x3): Luminance - 1.0 Vp-p

Chrominance - 0.7 Vp-p

S-Video (DIN 4-pin x1): Y - 1.0 Vp-p

C - 0.286 Vp-p

Video (Digital)

i.LINK (DV In/Out) (6-pin x1): IEEE 1394-based

SDTI(QSDI) (BNC x1)

SDI (BNC x1)

Audio (Analog)

Audio (CH 1,2): XLR 3-pin female x2

OUTPUT SIGNALS:

Video (Analog)

Ref. Video (BNC x1) 0.286 Vp-p, sync negative

Video 1/2 (SUPER) (BNC x2): Composite. 1.0 Vp-p, sync negative

Component (BNC x3): Luminance - 1.0Vp-p

Chrominance - 0.7Vp-p

S-Video (DIN 4-pin x1): Y - 1.0Vp-p

C - 0.286Vp-p

Video (Digital)

i.LINK (DV In/Out) (6-pin x1): IEEE 1394-based

SDTI(QSDI) (BNC x1)

SDI (BNC x2)

Audio (Analog)

Audio (Ch 1/3, 2/4): XLR 3-pin male x2

Audio Monitor (R/L): RCA phono jack x1

Headphones: JM-60 stereo phone jack x1