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New Product News

TENTATIVE

SR-DVM70

Three-in-One Video Recorder
MiniDV, DVD Disc and Hard Disk Drive



It's an Industry "First" * — Three-in-One Deck Incorporating MiniDV, HDD, and DVD, Packed with Professional Features.

* As of August 2004

- BNC connector on the video output terminal
- Synchronised Editing System (HDD >>> DVD)
- DVCAM™ Playback Capability (MiniDV)
- Remote Control Code Input Terminal on rear panel
- Last Function Memory
- Mode Lock
- OSD function can be totally suppressed
- 18 Patterns of Original Background Prepared (DVD)
- Playback formats:
 - Tape (MiniDV cassette): DVCAM™, DV
 - Disc Drive: DVD-R, DVD-RW, DVD-RAM, CDDA, VCD, CD-R (JPEG/MP3), CD-RW (JPEG/MP3)
- Recording formats:
 - Tape (MiniDV cassette): DV
 - Disc Drive: DVD-R, DVD-RW (VR Mode, Video Mode), DVD-RAM
- Hard Disk Drive Recorder, 160 GB Capacity, with selectable recording rates:
 - XP: 10 Mbps (36 hrs)*, SP: 5 Mbps (72 hrs)*, LP: 2.5 Mbps (143 hrs)*, EP: 1.6 Mbps (215 hrs)*

*Bit rate and duration figures are approximate. DVCAM™ is a trademark of Sony Corporation.

Three-in-One Video Deck — Triple Benefits and Triple Convenience

Professional archiving and media duplication are now easier than ever thanks to the industry's first 3-in-1 video deck incorporating a MiniDV, DVD, and Hard Disk Recorder, all in one compact unit. The hard disk itself at 160 GB offers high storage capacity with long recording times. It also enables mass duplication with high-quality picture and audio being assured by the digital-to-digital signal transfer.

Video Output Terminal with BNC Connector (Composite)

BNC connector assures reliable and secure connection to other professional equipment.

DV Format Recording to HDD

With SR-DVM70, the DV format signal can be recorded directly to the hard disk drive, enabling seamless, digital-to-digital recording with zero loss in quality.

Synchronised Editing System with Direct Dubbing from HDD to DVD

Using the Synchronised Editing System function, video data that has already been edited on the hard disk of the SR-DVM70 can be transferred digitally to a disc in the DVD recorder, helping to preserve picture quality and ensuring that DVD playback will be seamless with no visible edit points. This is made possible by effective use of the intra-coded picture (I), predictive-coded picture (P), and bi-directionally predictive-coded picture (B) frame information within each Group of Pictures (GOP) during editing operations. The I and P frames contain the information that determines picture quality and by maintaining their position within the GOP, it is possible to minimize degradation when dubbing so there are no pauses at edit points during DVD playback, resulting in a smooth and natural, high-quality picture.

Specifications

MiniDV

Format	DV format Rec / Play, DVCAM (Playback only)	
Cassette	MiniDV cassette	
Maximum recording times:		
SP	80 mins, with M-DV80ME cassette	
LP	120 mins, with M-DV80ME cassette	
Audio recording system	PCM 48kHz, 16-bit (2-ch) / 32kHz, 12-bit (4-ch)	

DVD

Format	MPEG2 PAL	
DVD-R	Rec / Play	
DVD-RW	Rec / Play	
DVD-RAM	Rec / Play	
CDDA	Play	
VCD	Play	
CD-R	Play: JPEG/MP3	
CD-RW	Play: JPEG/MP3	
Max recording times: (4.7 GB DVD)	Nominal bit rate	Approx. duration
XP	Approx. 10 Mbps	1 hrs.
SP	Approx. 5 Mbps	2 hrs.
LP	Approx. 2.5 Mbps	4 hrs.
EP	Approx. 1.6 Mbps	6 hrs.
FR60 - FR360	The amount varies depending on the selected time	1 - 6 hrs.
FR420		7 hrs.
FR480		8 hrs.
Audio recording system	Dolby Digital 2ch, Linear PCM (XP mode)	

HARD DISK DRIVE

Format	MPEG2 PAL	
Max recording times: (160 GB HDD)	Nominal bit rate	Approx. duration
XP	Approx. 10 Mbps	36 hrs.
SP	Approx. 5 Mbps	72 hrs.
LP	Approx. 2.5 Mbps	143 hrs.
EP	Approx. 1.6 Mbps	215 hrs.
Audio recording system	Dolby Digital 2ch, Linear PCM (XP mode)	

DVCAM™ Playback Capability on MiniDV Deck

The SR-DVM70's MiniDV deck is capable of playing back DVCAM™ tapes shot on the small DVCAM™ cassette. Recordings can be dubbed to a DVD or the HDD, to preserve the high quality expected from digital video and professional DV sources.

DVCAM™ is a trademark of Sony Corporation.

Remote Control Code Input Terminal

The terminal for a remote control code input is located on the rear panel to enable remote control operation of this device by third party vendors in the future.

Last Function Memory

The SR-DVM70's memory stores the last function performed and it always resumes operation from that point. This feature is particularly welcome for professional video editing.

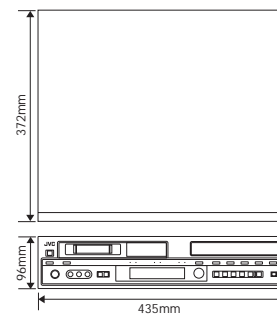
Excellent Digital Audio

All digital audio formats can be recorded: MiniDV in PCM 48kHz, 16-bit (2-ch) / 32kHz and 12-bit (4-ch), Digital Video Recorder, as well as HDD in Dolby Digital 2ch and Linear PCM (XP mode).

GENERAL

Inputs / Outputs	
Composite Video output via BNC	X1
S-Y/C Output	X1
Audio L, R Output via RCA	X1
DV In/Out (i.LINK)	X1
S-Y/C, Video & Audio L, R via RCA Input	X1
Video/Audio L, R Input/Output via Scart	X1
Video/Audio L, R Input via Scart	X1
Antenna IN/OUT	X1
Y-Pb-Pr Output	X1
Optical Digital Audio Out	X1
Coaxial Digital Audio Out	X1
Remote Control Code Input	X1
Provided accessory	Infra-red remote controller unit
Power requirements	220-240V, 50/60Hz
Dimensions (W x H x D)	435mm x 96mm x 372mm
Weight	6.0 kg (Tentative)

DIMENSIONS



(Unit : mm)

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ICK-0305

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