

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 November 2004

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JVC is proud to introduce an industry first, the brand-new SR-DVM70 three-in-one video recorder. It incorporates the all-digital formats of MiniDV, 160GB HDD, and DVD in a compact package complete with A-D encoding as well as various editing and dubbing capabilities — including 6-way multi-dubbing. Thanks to these

advantages, the SR-DVM70 is ideal for both home users and professionals as it makes media duplication and professional archiving of existing analogue footage easier than ever.









6-way Recording!



Playback/Recording/And So Many Other Possibilities

The SR-DVM70 records three formats in both directions to enable 6-way recordings with DV/MPEG2 real-time encoding.

# Various Playback/Recording Formats

The SR-DVM70 can record and playback various DV, DVD and CD discs as well as to and from the HDD. Please refer to the specifications for further details.

#### **Compatible Video Sources**

DV IN: Digital hardware (NLE system with DV out, player/ recorder with DV out). Y/C or composite IN: Analogue hardware (VHS/S-VHS deck, VCR with YC or composite OUT). MiniDV cassettes.

# Multi-format Capability (DVD)

The SR-DVM70 is capable of recording and playing back different DVD formats such as DVD-R, DVD-RW, or DVD-RAM.

# Auto Error Correction System

Reduces annoying block noise that may occur when playing back DV and DVCAM<sup>™</sup> tapes. DVCAM<sup>™</sup> is a trademark of Sony Corporation.

# DVCAM Playback (MiniDV)

The SR-DVM70's MiniDV deck is capable of playing back DVCAM tapes recorded on the small DVCAM cassette. Recordings can be dubbed to the DVD or HDD, preserving the high quality expected from digital video and professional DV sources. Video Output Terminal with BNC Connector (Composite)



# External Wired Remote Terminal

The remote control code input terminal is located on the rear panel. It uses the same protocol as the IR remote handset as it is identical except for the infrared carrier.



Wired remote control means that the deck can be easily integrated by third party vendors into their systems, for example, when rack mounted in an OB truck.

# Last Function Memory and Mode Lock

The SR-DVM70 is fully equipped with beneficial video editing functions that improve efficiency in the professional production environment. For example, Last Function Memory stores the last function performed in the memory and always resumes operation from that point while Mode Lock helps to protect against unintentional erasure of recordings.

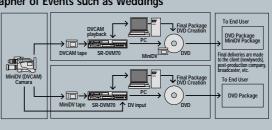
# Totally Suppressed OSD Function

# **Key Applications**

The SR-DVM70 will produce a professional-looking, high-quality DVD with smooth video edits, chaptering, and menu backgrounds whatever the original video source material may be. What's more, the SR-DVM70 simplifies DVD disc creation of finished video material in a highly professional manner without making it necessary for the user to have high PC or editing skills. Here are some key applications:

#### Professional Photographer of Events such as Weddings

- Creation of 'approval copies' for local distribution and reviewing
- DVD copy of the final video programme from NLF
- Rapid reproduction of multiple DVD copies at 8x speed





# HDD Editing

#### 160GB HDD

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The 160GB hard disk drive offers high-storage capacity with extended recording times of up to 300 hours\*. \*When recorded in FR480 mode

#### Non-linear Editing

Video recorded on the hard disk drive can easily be divided into different sections via the play-list editing screen. Convenient non-linear editing can also be performed by placing a video in the play list, inserting in and out points within desired scenes while previewing the video and shuffling scenes by arranging the play list in the preferred order. From the chapter setup screen, the desired chapter number can be set while previewing the thumbnails of each scene, and scene editing is possible using a play list created from these chapter numbers.

#### Easy Programme Dubbing

Using the index navigation screen and simply selecting programmes in the desired order enables easy programme-based editing & dubbing when dubbing between DVD and HDD.

#### Live Memory Playback Function

To increase overall efficiency and allow checking of material when recording a master video onto the hard disk drive, Live Memory Playback Function allows playback of recorded material from any desired point. This function can also be used while recording onto a DVD-RAM disc.



#### Bit-rate Optimiser for HDD to DVD recording

This system analyses the content as it is recorded on the HDD and then assigns optimum bit rates — low for simple scenes, high for complicated scenes — to ensure optimum picture quality while calculating disc capacity.

#### Selectable Recording Times and Data Rates

Depending on the application, the most appropriate recording time and data rate can be selected. Copying of synchronised-edited material from HDD to DVD is normally performed at single speed (x1); however, this can be increased eightfold\*. This means that by copying the synchronised-edited recording first to the DVD-R, then back to the HDD, and finally dubbing it at normal speed, reproduction of DVD discs can be performed up to eight times quicker. \*When copied to DVD-R at the maximum recording time: 64 hrs in FR 480 mode.

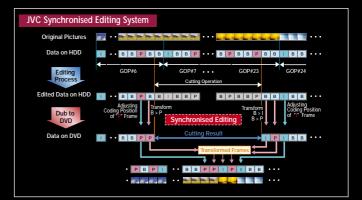
# 18 Original Background Patterns (DVD)

The SR-DVM70 features 18 original background patterns that are available for convenient DVD video production. Selecting the desired menu and then inserting titles and chapter scenes help to simplify what could otherwise be a complex DVD authoring process.



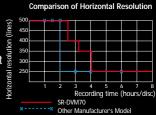
#### Synchronised Editing System for Direct Dubbing from HDD to DVD

Using the Synchronised Editing System function, video data that has 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 intracoded 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 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 "freeze" pauses at edit points during DVD playback for a smooth and natural, high-quality DVD recording.



# Extended Recording with High-resolution Pictures (DVD-RAM/DVD-RW VR mode)

Horizontal resolution in the LP (4hour) mode of a conventional DVD recorder is approximately 250 lines (1/2D1) but the SR-DVM70 provides more than 350 lines (2/3D1). Content that is longer than 2 hours can be recorded on a disc without any decrease in picture quality.

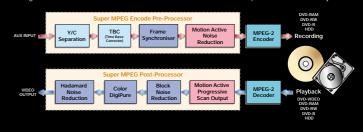


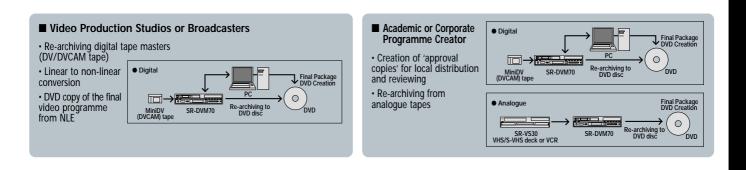
#### Super MPEG Processors

 Pre-processor (HDD/DVD)
When recording from analogue sources, effective noise reduction is applied before MPEG-2 encoding to guarantee superior quality images.

#### Pre-processor (HDD/DVD) Post-processor (HDD/DVD)

Several noise reduction features work together to clean up the image. Block noise reduction cuts "block noise" caused by MPEG-2 compression, Colour DigiPure reduces 3D colour noise, and Hadamard noise reduction eliminates "mosquito noise" from any DVD.







#### **Product View**

# Front Panel

#### Rear Panel



#### **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 (VR mode, Video mode)	Rec / Play		
	DVD-RAM	Rec / Play		
	CDDA	Play		
	VCD	Play		
	CD-R	Play: JPEG/MP3		
	CD-RW	Play: JPEG/MP3		
Recording Times: (4.7 GB DVD) Max: 8 Hours		Nominal bit rate	Approx. duration	
	XP	Approx. 10 Mbps	1 hr.	
	SP	Approx. 5 Mbps	2 hrs.	
	LP	Approx. 2.5 Mbps	4 hrs.	
	EP	Approx. 1.6 Mbps	6 hrs.	
	FR60-480	Variable *	1 – 8 hrs.	
Audio Recording System		Dolby Digital 2ch, Linea (XP mode)	r PCM	
Hard Disk Drive				
Capacity		160 GB		
Format		MPEG2 PAL		

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Recording Time (160 GB HDD): M	s: lax 300 Hours	Nominal bit rate	Approx. duration
	ХР	Approx. 10 Mbps	34 hrs.
	SP	Approx. 5 Mbps	69 hrs
	LP	Approx. 2.5 Mbps	138 hrs
	EP	Approx. 1.6 Mbps	209 hrs
	FR60-480	Variable *	34 - 300 hrs.
Audio Recordi	ng System	Dolby Digital 2ch, Linear PCM (XP mode)	
General			
Inputs/Outputs	S	In/Out	Location
Composite V (via BNC) x 1	ideo Output	MiniDV, DVD, HDD	rear
DV In/Out	Input	MiniDV, DVD, HDD	front
(i.LINK**) x 1	Output	MiniDV	front
S-Y/C Input >	k1	MiniDV, DVD, HDD	front
S-Y/C Output	t x 1	MiniDV, DVD, HDD	rear
Video/Audio L Input x 1 (via		MiniDV, DVD, HDD	front
Audio L, R Output x 1 (v	ia RCA)	MiniDV, DVD, HDD	rear
Video/Audio I Input (via SC/		MiniDV, DVD, HDD	rear
Video/Audio I Input / Output	L, R t (via SCART) x 1	MiniDV, DVD, HDD	rear
Y-Pв-Pr Outr (via RCA)	out x 1	DVD, HDD	rear
Optical Digital	Audio Out x 1	DVD, HDD	rear
Coaxial Digita	I Audio Out x 1	DVD, HDD	rear
Wired RCU T	erminal x 1	MiniDV, DVD, HDD	rear
RF Input x 1		DVD, HDD	rear
Provided Acce	essories	Infra-red remote controller unit x 1 RCA adaptors for SCART connector (cable-free type) x 1 for input, x 1 for output • RF cable x 1 • 21-pin SCART cable x 1 • "R6" Battery x 2	
Power Require		220-240V, 50/60Hz	
Dimensions (W	VxHxD)	435mm x 96mm x 372mm	
Weight		6.2 kg	

\* The amount varies depending on the selected time \*\* i.LINK is a trademark of Sony Corporation.



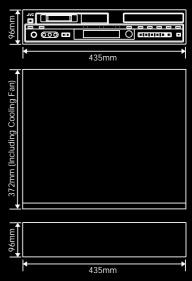
#### GY-DV5000

3CCD 1/2-inch IT Professional DV Camcorder with Standard and MiniDV cassette compatibility



# Dimensions

SR-DVM70



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