

And Much More...

- m **MTS Decoder for SAP Programs** allows viewing/recording of stereo and bilingual broadcasts.
- m **Hi-Fi VHS Stereo** assures high quality sound even in analog.
- m **VCR Plus+ with Provided Cable Box Controller** so you can enjoy simple timer programming even with cable shows.
- m **Express Programming** for easy manual timer setting just by following a single row of buttons on the remote.
- m **Plug & Play** for automatic tuner and clock set-up, simply by hooking up the antenna and plugging in the power.
- m **Auto Daylight Saving Time** — no need to set the clock forward or back twice a year.
- m **Skip Search and Shuttle Search** (S-VHS/VHS)
- m **1-Year/24-Event Programmable Timer**
- m **Rec Link** enables the VCR to automatically turn on and record a program when a connected satellite receiver or cable box turns on.**
- m **Active Video Calibration** automatically calibrates tape quality and measures video head condition to optimize long-term picture performance. (S-VHS/VHS)
- m **Picture Control** lets you choose from 4 different settings to best match the material you are viewing (Auto, Edit, Soft, Sharp). (S-VHS/VHS)
- m **Auto SP → EP Timer Recording** automatically switches from SP to EP to fit the entire program on the tape. (S-VHS/VHS)
- m **Auto Head Cleaner**
- m **Repeat Playback** (up to 50 times)
- m **Remote Pause**
- m **J-Terminal** for easy integration into computer-controlled video editing system.
- m **AV Compu Link** for easy integration into JVC home theater system.

*For compatible brands please consult your JVC dealer.
**External unit must be equipped with timer.

Specifications

	D-VHS	S-VHS/VHS
Recording format	[Video] MPEG-2 Standard [Audio] Encode: MPEG-1 Layer 2 Decode: MPEG-1 Layer 2, Dolby Digital	S-VHS/VHS with Hi-Fi Audio
Channel reception	VHF 2—13, UHF 14—69, CATV 113 channels	
Cassette	D-VHS, S-VHS, VHS cassettes (D-VHS cassette required for D-VHS recording)	
Max. recording/playback time	HS mode: 4 hours* STD mode: 8 hours* LS3 mode: 24 hours* <small>*using DF-480 cassette</small>	SP mode: 3 hrs. 30 min.* EP mode: 10 hrs. 30 min.* <small>*using ST-210 cassette</small>
Tape speed	HS mode: 33.4 mm/sec. STD mode: 16.67 mm/sec. LS3 mode: 5.55 mm/sec.	SP mode: 33.4 mm/sec. EP mode: 11.1 mm/sec.
Input	AV x 3, S-Video x 3 (including front)	
Output	AV x 2, S-Video x 2, component (Y, Pb, Pr) x 1	
Optical digital out	x 1 (Dolby Digital, 2 ch PCM Audio)	
i.LINK (IEEE 1394) terminal	4-pin, DTCP compatible MPEG-2 in/out, DV in x 2 (including front)	
Other connectors	JLIP x 1, Remote pause/AV Compu Link x 1	
Dimensions (W x H x D)	17-3/16" x 4-3/16" x 15-1/8" (435 mm x 105 mm x 383 mm)	
Weight	12.6 lb. (5.7 kg)	

D-VHS Tape



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“Dolby”, the double-D symbol and “Dolby Digital” are trademarks of Dolby Laboratories Licensing Corporation.
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E. & O. E. Design and specifications subject to change without notice. It should be noted that it may be unlawful to re-record pre-recorded tapes, records, or discs without the consent of the owner of copyright in the sound or video recording, broadcast or cable program and in any literary, dramatic, musical, or artistic work embodied therein.
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JVC®

HM-DH30000U

DIGITAL HDTV VIDEO RECORDER



HDTV Video



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Expand your senses.

DTHEATER™
FULL SPEC
HDTV
COMPATIBLE

Discover the Full Potential of Digital Video

Digital. A new age in broadcasting. A new stage for movie software. A promise of extreme quality and enhanced content. A promise that is fulfilled with the HM-DH30000, the world's first D-THEATER video deck. Based on the D-VHS format, with its incredible 50 GB capacity and 28.2 Mbps* transfer rate, the HM-DH30000 is able to record and play back HD content at full specifications. All the quality and detail, as intended by the content producers. With the capacity to fit an entire feature-length movie on a single cassette. So whether it's the newest HD movie release from Hollywood, or a program you recorded yourself, JVC's HM-DH30000 lets you discover its full potential. HDVideo: Digital video for the age of HDTV.

*D-VHS HS mode



Absolutely Prepared for the Digital Transition

FULL SPEC
HDTV
COMPATIBLE

FULL SPEC **HDTV** COMPATIBLE

The HM-DH30000's D-VHS recording modes offer compatibility with ATSC broadcasting formats. With the D-VHS HS mode (28.2 Mbps) and the overwhelming data storage capacity of a D-VHS cassette (50 Gigabytes), the HM-DH30000 will let you record high definition sources including 1080i or 720p ATSC broadcasts* and maintain all of their original quality. The STD mode (14.1 Mbps) can be used to record SD sources such as 480p** and 480i ATSC broadcasts. With the built-in MPEG-2 encoder you will also be able to make digital recordings from analog NTSC sources in the HS***, STD or LS3 mode.

* Requires compatible set-top box with IEEE 1394 connection.
** Depending on the bit rate, HS mode may be applicable.
*** Recorded signal will be 480i.

Correlation Between Broadcast Type and D-VHS Recording Mode

Recording Source	Recording Mode	
NTSC (Analog) 480i	HS / STD / LS3 modes (Analog→MPEG2 conversion)	
Digital	480i	STD mode
	480p*	
	720p	HS mode
1080i		

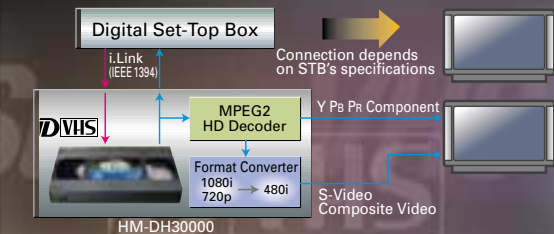
* Depending on the bit rate, HS mode may be applicable.

MPEG-2 CODEC FOR DIGITAL RECORDING OF VARIOUS SOURCES

The built-in MPEG-2 CODEC (encoder/decoder) function enables D-VHS digital recording from NTSC analog sources as well as DV→MPEG-2 conversion recording from a connected MiniDV video camera. When dubbing from an external analog video source such as a camcorder or VCR, JVC's Frame Synchronizer eliminates jitter and noise from the input signal to produce high quality dubs that can actually appear to surpass the quality of the original.

HDTV COMPATIBLE MPEG-2 HD DECODER

The HM-DH30000 is equipped with a built-in MPEG-2 HD Decoder which converts recorded MPEG-2 signals into Component output signals (Y/PB/PR). This will allow you to hook-up directly to an HDTV or projector equipped with Component input terminals and easily enjoy hi-res images.



D-VHS FORMAT

D-VHS is a totally digital recording format developed by JVC. Use it to record from HD (high definition) digital sources at 28.2 Mbps (HS mode) and maintain all the quality of the original. The 50 Gigabyte high capacity of the D-VHS tape* will let you fit an entire HD feature film broadcast on a single cassette with room to spare. You can also record an SD (standard definition) digital broadcast as-is at 14.1 Mbps (STD mode), or convert any analog NTSC source to digital and record it at 4.7 Mbps to store up to 24 hours* of programming on a single cassette. D-VHS. It's the new digital content archiving solution that takes advantage of the high-capacity characteristics unique to tape.

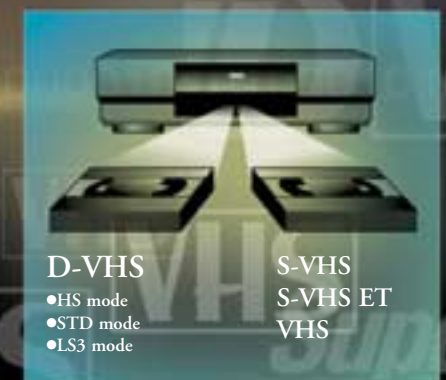
HM-DH30000 D-VHS Recording Modes

Mode	Data rate	Max. recording*	When to use
HS	28.2 Mbps	4 hours	For direct recording of HD digital broadcasts, with HD quality results.
STD	14.1 Mbps	8 hours	To make a digital recording from digital or analog sources, with SD quality results.
LS3	4.7 Mbps	24 hours	To make a large number of recordings on a single cassette from analog NTSC sources.

*Per DF-480 cassette Mbps = Mega bits per second

MULTI-FORMAT

Where versatility is concerned, the HM-DH30000 knows no peer. With three D-VHS recording modes, the HM-DH30000 covers a wide range of digital recording needs. And to make sure you can continue enjoying your collection of analog VHS tapes, this deck also supports Super VHS (with Super VHS ET function) and VHS recording and playback. Protect your home entertainment assets with the HM-DH30000, and enjoy the past, present and future of video.



Equipped for

D-Theater

Performance

D-Theater Software Compatible

Open your eyes to a new reality. JVC's HM-DH30000, the world's first D-THEATER deck, will show you the way. Major motion picture studios have started releasing their movies in high definition through the D-VHS format — the only existing format capable of recording high-definition content today. New "D-THEATER" HD releases will be recorded using the D-VHS HS mode at a rate of 28.2 Mbps, which actually surpasses the ATSC standard for HDTV broadcasts. But the only way you can watch these movies is with a D-THEATER compatible VCR. The HM-DH30000 is your key to unlock the finest quality that Hollywood has to offer, whether it be on an HDTV or a high-resolution video projector.

D-THEATER™ D-THEATER is a set of standards developed based on D-VHS technology, which adds an advanced security system for the encryption/decryption of recorded signals, and a proprietary dubbing system with piracy prevention function. Prerecorded cassettes labeled with the D-THEATER logo can be played back only on a D-VHS VCR displaying the D-THEATER logo.

5.1ch Dolby Digital and 2ch PCM Audio Outputs

"D-THEATER" HD software delivers powerfully realistic home theater sound because D-VHS's recording data transfer rate accommodates the 640 kbps full-spec transfer rate of 5.1ch Dolby Digital. So while other formats may offer 5.1ch surround, only D-VHS can bring out all of the subtle nuances and dynamic impact of those 5.1ch movie soundtracks. Optical outputs make it easy to connect and enjoy this superior audio performance on your audio system. Also equipped with 2ch Linear PCM Audio Optical Output in case your audio system doesn't have a Dolby Digital decoder.

HDTV Component Output

Component output (Y/Pb/Pr) terminals let you connect to an HDTV or projector equipped with Component input, so you can enjoy the full quality of D-THEATER software as their signals are decoded by the built-in MPEG-2 HD Decoder.

Versatile D-VHS Viewing Features

The HM-DH30000 supports convenient tape access functions like Chapter Search* to take you directly to a particular segment. Closed Caption* support lets you display subtitles in multiple languages*, and you can even listen to the dialog in the language of your choice.*

* Possible if data exists on the D-THEATER software being played back.

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UNIVERSAL



A Host of High-Value Functions

i.LINK Terminal

This IEEE1394 compliant digital interface allows the connection of a digital set-top box* for the transfer and recording of digital signals.

* Requires compatible set-top box with IEEE 1394 connection.

DV Input

Easy and direct connection for digital-to-digital dubbing (DV→MPEG-2) from MiniDV camcorders.

Frame Synchronizer for Pristine Analog-to-Digital Dubs

Analog input signals from a connected camcorder or VCR which may contain jitter and noise are precisely stabilized so you can digitally dub copies that actually look better than the original.

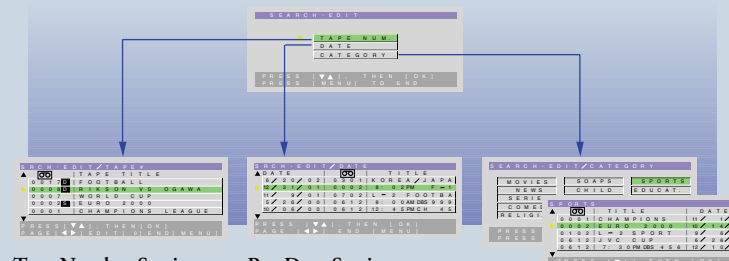
Playback Picture Format Converter

You can choose the output format that matches your current home theater environment, as well as any system upgrades you make later on.

Recorded Format	Selectable Playback Output
1080i	1080i / 480i
720p	1080i / 720p / 480i
480p	480p / 480i
480i	480i

Video Navigation

Have an easy time finding what you want to watch.



Tape Number Sorting
Looks for a tape by its number and displays the tape title you've input for it.

Rec Date Sorting
Lists programs by the date they were recorded on.

Category Sorting
Programs can be categorized into 15 different types, such as movies and sports.

Super VHS with DigiPure Technology

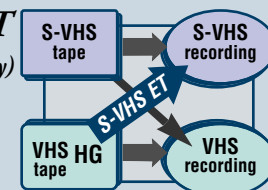
Get the highest levels of picture quality even in analog. Super VHS high-band recording, which delivers over 400 lines of horizontal resolution, is supported by JVC's DigiPure Technology:

- **Digital Wide TBC (Time Base Corrector)** helps stabilize the picture of old tapes and rental cassettes.
- **Precision 3-D Color Circuit** provides clear color separation and sharpens image edges.
- **Precise Digital 3-D YNR/CNR** improves the S/N ratio by approximately 3dB.
- **Precise Digital 3-D Y/C Separation** reduces dot interference at image borders and improves the S/N ratio.
- **Digital R³ Picture System** which applies edge correction to the luminance signal to enhance detail.

And providing a solid foundation for DigiPure is a Digital 3-Dimensional Circuit with 4MB Frame Memory.

Super VHS ET (Expansion Technology)

Enjoy high-resolution recording on VHS cassettes.*



* Only SP mode recording/playback is available. JVC's EHG (Extra High Grade) tapes are recommended.

Multi-Brand TV Compatible Jog/Shuttle Remote Control*

In addition to VCR control, you also get control over many of your TV* functions. And with the pro-style Jog/Shuttle, you can also enjoy versatile tape-access functions such as variable high-speed playback, slow motion and frame advance, with a simple turn.**

* For compatible brands please consult your JVC dealer.
**Jog/Shuttle effective for analog VHS and S-VHS only.

