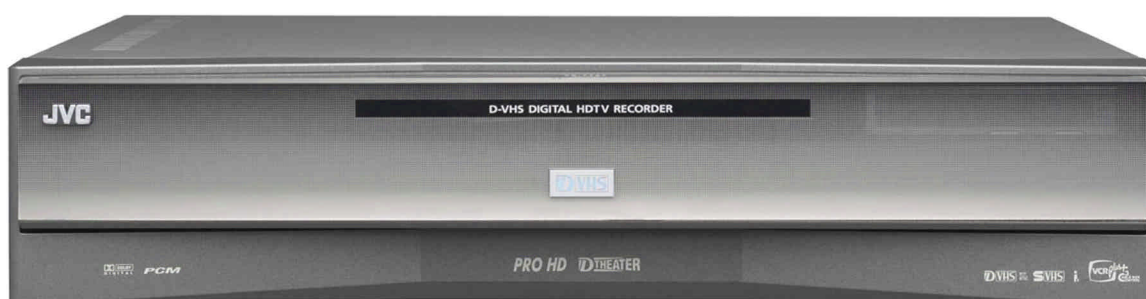


**JVC**  
**PROFESSIONAL**

**SR-VD400US**  
PRO HD-D-VHS RECORDER/PLAYER

PRO-HD  
**D VHS**  
HIGH DEFINITION  
DELIVERY SYSTEM



**Distribution of true High Definition programming has never been simpler and more economical! JVC's SR-VD400US plays all variations of D-VHS including encrypted recordings made on the SR-VDA300, password protected and non-password protected recordings, standard D-VHS and D-Theater.**

- Highest Quality Picture (full resolution HDTV)
- D-VHS format recording and playback up to 28.2Mbps
- Ideal distribution VTR for recordings made with JVC's JY-HD10U HDTV camcorder.
- Plays JVC's Original Scramble technology
- IEEE-1394 interface
- Built-in standard definition MPEG-2 encoder
- DV to MPEG-2 conversion allows economical high quality archiving of NTSC material (7 hours on DF-420 cassette)

# SR-VD400U PRO HD D-VHS RECORDER / PLAYER

The Most Versatile VCR Ever Made! There has never been a videocassette recorder packed with more capabilities and higher picture quality than JVC's SR-VD400US. Whether it's used as a standalone HDTV player, or as an integral part of a television production facility, the applications for this impressive unit are endless.

## D-VHS Format Recording and Playback

JVC's D-VHS format uses inexpensive oxide cassettes to record industry standard MPEG-2 Transport Stream data, including standard and high definition program material. D-VHS recording modes include the 28.2 Mbps HS mode for recording of HD sources including 1080i or 720p digital signals\*, the 14.1 Mbps STD mode for recording of SD sources such as 480p\*\* and 480i material, and the 4.7 Mbps LS3 mode and 2.8 Mbps LS5 mode for up to 35 hours recording of digital or analog NTSC material on a single DF-480 cassette.\* IEEE-1394 input of encoded MPEG-2 data from personal computer, standalone encoder, or JY-HD10U camcorder\*\*Not possible in LS3/LS5 modes.

## Pro-HD Encrypted and Password Protected Playback

JVC's SR-VD400US plays back all D-VHS tapes, including secure program content recorded on the SR-VDA300US mastering recorder--programs not viewable on ordinary D-VHS decks. When recordings are password protected, they can be played back by simply entering the correct password with the provided wireless remote control. The SR-VD400US can also play back copy-protected prerecorded D-Theater software, for access to the latest HD software releases.

## MPEG-2 CODEC for Digital Recording of Various Sources

The built-in MPEG-2 encoder/decoder enables D-VHS digital recording from NTSC analog and digital sources. When DV signals (from a digital camcorder or VTR) are input via the IEEE-1394 interface, a built-in DV-to-MPEG-2 converter makes it possible to record these signals in the more efficient MPEG-2 format, dramatically increasing recording times. This feature makes the SR-VD400US the ideal recorder for archiving NTSC material.

## Versatile IEEE-1394 Connectivity

The IEEE-1394 terminal allows connection of a computer, digital set-top box or HD camcorder (such as JVC's JY-HD10U or GR-HD1US) for the transfer and recording of HD digital signals. The 1394 connection also allows SD dubbing of 480i to and from DV camcorders and VTRs. 480i analog signals input through the composite or Y/C connector can also be output as digital signals through the IEEE-1394 connector.

## HDTV Component Output

Component outputs (Y/PB/PR) allow viewing on plasma monitors and other HD displays.

## Playback Picture Format Converter

Allows all formats to be downconverted to 480i for easy viewing on standard monitors, as well as upconversion of 720p to 1080i for viewing on the latest displays.

## Analog VHS, S-VHS recording and playback

The SR-VD400US can play and record legacy analog recordings in the VHS and S-VHS modes, making it the ideal player for a screening room, boardroom or high tech classroom.

### SR-VD400U

#### GENERAL

Power requirement	AC 120V, 60 Hz
Power consumption	
Power on	42 W
Power off	18 W
Temperature	
Operating	5°C to 40°C (41°F to 104°F)
Storage	-20°C to 60°C (-4°F to 140°F)
Operating position	Horizontal only
Dimensions (W x H x D)	435 mm x 94 mm x 383 mm (17-3/16" x 3-3/4" x 15-1/8")
Weight	5.5 kg (12.2 lbs)

Maximum recording time	
D-VHS (HS)	210 min. with DF-420 video cassette
D-VHS (STD)	420 min. with DF-420 video cassette
D-VHS (LS3)	1260 min. with DF-420 video cassette
D-VHS (LS5)	2100 min. with DF-420 video cassette
S-VHS/VHS (SP)	210 min. with ST-210 video cassette
S-VHS/VHS (EP)	630 min. with ST-210 video cassette

#### VIDEO/AUDIO (D-VHS)

Video format	MPEG-2 standard
Audio format	Encode MPEG-1 Layer2 Decode MPEG-1 Layer2/Dolby Digital/LINEAR PCM (HS/STD)
Track composition	
Tape speed	33.4 mm/sec. (HS mode) 16.67 mm/sec. (STD mode) 5.55 mm/sec. (LS3 mode) 3.33 mm/sec. (LS5 mode)
Head azimuth	±30 deg
Drum rotation	1800 rpm
Tracking system	CTL track system
Recording specification	
Main data input rate	28.2 Mbps (HS mode) 14.1 Mbps (STD mode) 4.7 Mbps (LS3 mode) 2.8 Mbps (LS5 mode)
Interface	IEEE1394 compliant DTCP digital copy protection compatible

#### VIDEO/AUDIO (S-VHS/VHS)

Format	S-VHS/VHS NTSC standard
Signal system	NTSC-type color signal and EIA monochrome signal, 525 lines/60 fields
Recording/Playback system	DA-4 (Double Azimuth) head helical scan system
Signal-to-noise ratio	45dB
Frequency range	
Normal audio	70 Hz to 10,000 Hz
Hi-Fi audio	20 Hz to 20,000 Hz

#### TUNER

Tuning system	Frequency-synthesized tuner
Channel coverage	
VHF	Channels 2-13
UHF	Channels 14-69
CATV	113 Channels

#### TIMER

Clock reference	Quartz
Program capacity	1-year programmable timer/24 programs
Memory backup time	Approx. 10 min.

#### CONNECTORS

Input/Output	i.LINK IN/OUT (DV IN) x 2 (4-pin, S400) RCA connectors (IN x 3, OUT x 2) S-video connectors (IN x 3, OUT x 2) Component video OUT (Y, Pb/Cb, Pr/Cr) x 1 Digital OUT (optical) x 1
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#### ACCESSORIES

Provided accessories	Infrared remote control unit, "AA" battery x 2, Audio cable, RF cable (F-type), S-video cable (4-pin), Controller
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SR-VD400US PRO HD  
D-VHS RECORDER / PLAYER



SR-VDA300US PRO HD  
ASI RECORDER



BC-D2300U  
HDTV UPCONVERTER



DM-JV600  
MPEG-2 ENCODER

**PRO-HD**  
**DVHS**  
HIGH DEFINITION  
DELIVERY SYSTEM

**JVC**  
**PROFESSIONAL**

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