

SR-W7U

Professional Level HDTV Recorder

- Cost effective base band recording VTR for DTV program preview and presentation, broadcasting, board rooms, analysis, displays, museums and home theater
- 2 and 3 hour W-VHS cassettes for HDTV
- Powerful source for new HD D-ILA projectors, PC input projectors or CRT displays
- D-sub 15-pin RGB output for Multi-scan PC monitor allows practical High Definition monitoring and viewing
- RS-422A standard control interface for use in automated video transmission systems, theatrical and multimedia presentation systems. Can be operated by JVC controllers.
- HD Mode Time Code audio track for fast accurate cueing
- Key system component for high definition Medical image recording and analysis
- Cost effective media for documenting and presenting art, historical artifacts and other materials that require highly accurate depictions.

HD component mode:

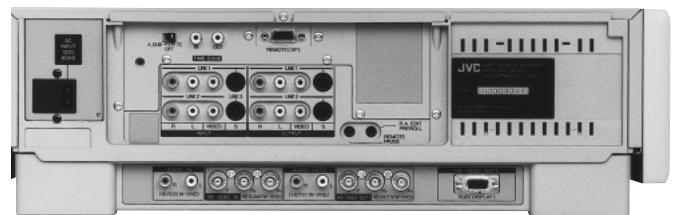
- Baseband recording of 1125 scanning line component HD signal accommodates all 1080, and 1035, systems.
- W-VHS 2 chip LSI Digital Processing divides signal for recording on two sets of tracks, handles emphasis and two/three dimensional Hadamard noise reduction in both HD and SD modes.
- Temporal (time based) emphasis filters out lag images from processing.
- Vertical emphasis improves vertical detail while reducing noise
- Time compression integration (TCI) recording system records separated Component Luminance and Color signals offset by time in alternating parts of video track.
- 5 layer sendust heads for broad bandwidth recording
- SuperSolid direct drive tape handling, and rotary transformer on head drum suppress channel interference to achieve high precision HD images
- Digital time base correction ensures perfectly stable jitter free images

NTSC SD component mode:

- Up to 540 minute (9 hours) analog component recording with WT-180 cassette
- Unlike S-VHS or VHS, color and luminance signals are recorded separately as component signals, eliminating luminance color interference.
- Digital Temporal, Vertical emphasis and Digital TBC apply to NTSC SD mode as well

S-VHS and VHS modes:

- Master quality S-VHS recording through state of the art professional head and image enhancement technologies: Digital TBC, 3D color circuit, 3D Digital Y/C separation, and 3D Hadamard digital noise reduction processing.
- Resulting images exhibit reduced color smear and loss, jitter free stability, precise separation of color and luminance signals, maximum image definition and low noise.



WT-120HA/180HA W-VHS tape

High Fidelity Audio:

- Manual Hi-Fi audio level control for recording
- No Hi-Fi audio head switching noise
- "Metal in gap" Sendust Hi-Fi heads for maximum performance with metal tape and S-VHS / VHS tape
- Dedicated audio capacitor eliminates noise interference from other circuits

Other features:

- Editing functions include: auto editing of up to eight pre-designated scenes, Pre-roll editing, Insert editing, Retake, Audio dubbing for HD mode, Jog shuttle control, Variable speed playback
- PC monitor interface through D-Sub RGB connector
- Index signals can be written and erased for automated cueing
- 20 x tape end repeat play function
- Blue background function
- Wireless remote control

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Video	
Recording/playback format	[W-VHS format]
HD mode:	Rotary 4-head helical scanning system
SD mode:	Rotary 2-head helical scanning system
Method	Temporal compression TCI signal FM recording
Recording/playback format	[S-VHS/VHS format]
	Rotary 2-head helical scanning system
Luminance signal	FM recording
Chrominance signal	Low-range conversion direct recording
Video signal	High definition baseband signal
Input/output	
HD Video	
BNC Input (Rear x 1)	Y : 0.7 Vp-p, 75 ohms, tri-level sync PB, PR : ± 0.35 V, 75 ohms, tri-level sync
BNC Output (Rear x 1)	Y : 0.7 Vp-p, 75 ohms, tri-level sync PB, PR : ± 0.35 V, 75 ohms, tri-level sync
D-Sub 15-pin Output (Rear x 1)	R.G.B.: 0.7 Vp-p, 75 ohms VD, HD: 4 Vp-p, 75 ohms
S Video	
Input (Rear x 2)	Y : 0.8 - 1.2 Vp-p, 75 ohms C : 0.2 - 0.4 Vp-p, 75 ohms
Output (Rear x 2)	Y : 1.0 Vp-p, 75 ohms C : 0.29 Vp-p, 75 ohms
Video	
RCA input (Rear x 2)	0.5 - 2.0 Vp-p, 75 ohms
RCA output (Rear x 2)	1.0 Vp-p, 75 ohms

Audio	
Hi-Fi Audio/Time Code (HD mode only)	
Recording system	VHS stereo Hi-Fi system
Frequency response	20 Hz to 20 kHz
Dynamic range	90 dB or more
Wow & flutter	0.005% or less
Channel separation	60 dB or more
Normal Audio/Time Code (HD mode only)	
Recording system	Linear track
Audio track	1-channel monaural
Audio dub	(HD mode only)
Input/output	
RCA input (Rear x 3)	-8 dBs, 50 kohms unbalanced
RCA output (Rear x 3)	-8 dBs, 1 kohms unbalanced
General	
Power requirements:	AC 110 to 240 V 50/60 Hz
Power consumption:	40 W (5 W with power off)
Power output:	AC 120 V, 50/60 Hz, not interlocked, max. 100 W or less
Dimensions:	475 (W) x 145 (H) x 366 (D) mm (18-3/4" x 5-3/4" x 14- 7/16")
Weight:	10.0 kg (22.1 lbs.)
Allowable operating temperature:	+5°C to 40°C (41°F to 104°F)
Allowable relative humidity:	35% to 80%
Allowable storage temperature:	-20°C to 60°C (-4°F to 140°F)
Note	The SR-W5U does not have a built-in tuner.