**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.

**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 predesignated 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.
# SR-W7U

## Video

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## Video signal

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### 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-WSU does not have a built-in tuner.

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*All model numbers, specifications and prices are subject to change without notice.*