

1 September 1999

HOME VIDEO CASSETTE RECORDER - HIFI TYPE

--HS-U576--

Features (Tentative)

1. Front loading system
2. Superb picture quality with advanced 4 video heads -DJ4-
3. High Quality picture (HQ)
 - *White clip level up
 - *Detail emphancer
 - *Y-Noise Reduction
4. High Fidelity stereo sound quality with rotating 2 audio heads
 - *Dynamic range 90 dB with noise reduction system
 - *Frequency response 20 Hz - 20k Hz
 - *Total harmonic distortion less than 0.3%
 - *Wow and flatter less than 0.005%
 - *CH-separation better than 60 dB
5. Multi channel sound decoder integrated
6. SAP(Separate Audio Program system)
7. Twin digital tracking
8. Multi mode display
 - *REC, PLAY
 - *Cassette-In
 - *Running Indicator
 - *Interactive Clock/Tape Counter Display
 - *Channels
9. Channel program list on screen (8 program)
10. Cable TV compatible (181 channels)
11. Auto Head Cleaning Mechanism

Tape position index search system
*UP to +/- 19 programs
*By CTL signal
*400/250 times normal speed (Non ctl signal 75 times normal speed)

#Linear time counter

By counting CTL signals, it indicates elapsed time (hours, minutes, seconds)

#TV/VIDEO/AUDIO Unified remote

#High reliability

- Minimum number of parts used in deck and circuit
- Good resetability

#Auto functions

- *Auto Power On
- *Power off Eject
- *Auto Clock
- *Auto Rewind
- *Auto Canceler
- *Short Pause
- *Power Off Program Record

#Reverse Play

#Speed Search

- *10 times normal speed in the EP mode
- *5 times normal speed in the SP mode
- *Noise bar reduced system

#Hi-speed speed search

- *27 times normal speed in the EP mode

#Perfect still

- *Without noise nor vibration in the EP/SP mode

#Variable speed slow motion without noise in the EP/SP mode(1/5 - 1/30)

*Without noise nor vibration in the EP/SP mode

#8 Independent Program Recording Function

#One-touch Timer Recording

*Rec time is available for multiple 30 min up to 4 hours or end tape

#Single Time Counter

#Time back up

*30 minutes

#SQPB

#Child Lock

#Cable box control

#VCR Plus+

#Remain

#One key program

#System 2

#One Key Play

#Quick View

#3 Color On-Screen

#Twin Perfec Tape

#2 Color Display

#Star Sight Ready

#1 key D.T.

#Navi

#Rental PB

#Head Cleaning Warning

Specifications (tentative)

Tape format	VHS 1/2" width high-density video cassette tape
Power Source	120V : 60Hz
Television System	EIA standard NTSC type color signal (M/NTSC) 525 lines, 60 fields
Video Recording System	4 rotary heads, azimuth helical scanning system
Luminance	Frequency modulation recording
Color Signal	Low frequency conversion, sub-carrier phase shift recording
Audio Recording System	
Hifi Stereo	2 rotary heads, azimuth helical scanning system Frequency modulation, deep layer recording
Linear Audio	1 stationary head, 1 track
Tape Speed	33.35mm/s (standard play) 11. 12mm/s (extended play)
Relative Head to Tape Speed	19.03ft./s
Record/Playback Time	160 min. with T-160 cassette 60 min. with T-60 cassette Time is tripled in the EP mode
Fast Forward/Rewind Time	Approx. 2.0 min. with T-120 cassette
Heads:	
Video	4 rotary single crystal heads
Hifi Audio	2 rotary single crystal heads
Audio/Control	1 stationary head
Erase	1 full track
Video Input	0.5 to 2.0 Vp-p, 75 ohm unbalanced, RCA socket
Audio Input Line	-7 dBs, 50K ohm unbalanced, RCA socket

Video Output	1.0 Vp-p, 75 ohm unbalanced, RCA socket
Audio Output	-7dBs, 1K ohm unbalanced, RCA socket
Aerial Input	UHF input CH 2-13, CH 14-83 VHS CH A-5 -- W+10 75 ohm unbalanced, F connector
Aerial Output	Channel 3 or 4, switchable F connector
Horizontal Resolution (monoscope test pattern)	SP: More than 240 lines EP: More than 220 lines
Video Signal to Noise Ratio	better than 45 dB
Audio Frequency Response	50Hz - 10KHz (Linear) (SP mode)
Audio Signal to Noise Ratio	better than 40 dB (Linear)
Hifi Sound performance	
Frequency Response	20 Hz - 20K Hz
Harmonic Distortion	less than 0.3%
Dynamic Range	better than 90 dB
Wow and Flutter	less than 0.005%
Channel Separation	better than 60 dB
Operating Temperature	41F to 104F (5 to 40)
Weight	approx. 3.6 kg
Dimensions	425mm (W), 300mm (D), 93mm (H)
Timer	8 programmers for any channel in 4 weeks/week day 24 hour digital type
Timer Accuracy	Synchronized with Crystal Oscillator
Channel Selection	125 position frequency synthesized auto tuning system
Recording Band Width (-3dB)	2.2 MHz
Timer for scanning 1 horizontal line	approx. 17 mS
Use in Water	Impossible