



Professional Combo Deck Series

Far more than simply convenient, these all-in-one combo decks are tops in terms of performance, features, and operating versatility!

Spring 2007

Combo Decks

Three-in-One Video Recorder/Player – MiniDV, DVD and Hard Disc Drive

SR-DVM700



Playback/Recording Functions and More

- 6-way Recording: 3 Formats in Both Directions with DV/MPEG2 Real-Time Encoding
- Recording and Playback of Various DV, DVD and CD Formats; also to and from the HDD (Refer to the Specifications for further Details)
- Multi-format Capability (DVD)
- Auto Error Correction System reduces Block Noise (MiniDV)
- DVCAM™ Playback (MiniDV)
- IEEE 1394 Interface
- Video Output Terminal with BNC Connector (Composite)
- External Wired Remote Control Code Input Terminal
- Full Auto Repeat disc authoring
- Last Function Memory and Mode Lock
- Totally Suppressed OSD Function

- Produces Professional-looking, High-quality DVD, suited for Professional Photographers, Studios or Broadcasters, Program Creators, and More!

RS-232C Interface with DB9 Connector HDD Editing Functions

- 250GB HDD for High-storage Capacity
- Play List Editing for Dividing Recordings on HDD into Different Sections
- DV Native Format Recording to HDD
- Easy Program Dubbing
- Live Memory Playback Function
- Synchronized Editing System for Direct Dubbing from HDD to DVD makes "Glitch-less" Pauses at Edit Points during Playback

DVD Dubbing Functions

- Bit-rate Optimizer for HDD to DVD Recording

- Selectable Recording Times and Data Rates
- 18 Pre-installed/User-customizable Background Patterns (DVD)
- Extended Recording with High Resolution Pictures (DVD-RAM/DVD-RW/DVD-R VR mode)
- Super MPEG Processors: Pre- and Post-Processors (HDD/DVD)

Playback Formats

- MiniDV: DV Format, DVCAM
- DVD: DVD-R, DVD-RW, DVD-RAM, DVD+R, DVD+RW, CDDA, VCD, CD-R (JPEG/MP3/WMA), CD-RW (JPEG/MP3/WMA); HDD: MPEG2/DV

Recording Formats

- MiniDV: DV Format
- Disc Drive: DVD-R, DVD-RW, DVD-RAM; HDD: MPEG2/DV (250GB)

Compatible Video Sources

- DV IN: Digital Hardware (NLE System with DV Out, Player/Recorder with DV Out); Y/C or Composite IN: Analog Hardware (VHS/S-VHS Deck, VCR with Y/C or Composite Out); MiniDV Cassettes

NLE Compatibility*

- DV Capture from MiniDV and Output to Tape
- Real-time Recording to HDD or DVD-R from NLE
- Compatible with the Leading NLE Software Packages



*Basic Functions Only

Dimensions & Weight

- 17-1/10" (W) x 3-4/5" (H) x 14-3/5" (D)
- 12.9lbs

Refer to the Specifications for Metric Value.

Three-in-One Video Recorder/Player – MiniDV, DVD, Hard Disc Drive

SR-DVM600



Playback/Recording Functions and More

- 6-way Recording: 3 Formats in Both Directions with DV/MPEG2 Real-Time Encoding
- Recording and Playback of Various DV, DVD and CD Formats; also to and from the HDD (Refer to the Specifications for further Details)
- Multi-format Capability (DVD)
- Auto Error Correction System reduces Block Noise (MiniDV)
- DVCAM™ Playback (MiniDV)
- IEEE 1394 Interface
- Video Output Terminal with BNC Connector (Composite)
- External Wired Remote Control Code Input Terminal
- Full Auto Repeat disc authoring
- Last Function Memory and Mode Lock
- Produces Professional-looking, High-quality DVD,

suited for Professional Photographers, Studios or Broadcasters, Program Creators, and More!

DVD Dubbing Functions

- Bit-rate Optimizer for HDD to DVD Recording
- Selectable Recording Times and Data Rates
- 18 Pre-installed Background Patterns (DVD)
- Extended Recording with High Resolution Pictures (DVD-RAM/DVD-RW/VR mode)
- Super MPEG Processors: Pre- and Post-Processors (HDD/DVD)

HDD Editing Functions

- Play List Editing for Dividing Recordings on HDD into Different Sections
- Easy Program Dubbing
- Live Memory Playback Function
- Synchronized Editing System for Direct Dubbing

from HDD to DVD makes "Glitch-less" Pauses at Edit Points during Playback

- 40GB HDD for Temporary Storage or Repeated DVD Burning

Playback Formats

- MiniDV: DV Format, DVCAM
- DVD: DVD-R, DVD-RW, DVD-RAM, DVD+R, DVD+RW, CDDA, VCD, CD-R (JPEG/MP3), CD-RW (JPEG/MP3); HDD: MPEG2

Recording Formats

- MiniDV: DV Format
- Disc Drive: DVD-R, DVD-RW, DVD-RAM; HDD: MPEG2 (40GB)

Compatible Video Sources

- DV IN: Digital Hardware (NLE System with DV Out, Player/Recorder with DV Out); Y/C or

Composite IN: Analog Hardware (VHS/S-VHS Deck, VCR with Y/C or Composite Out); MiniDV Cassettes

NLE Compatibility*

- DV Capture from MiniDV and Output to Tape
- Real-time Recording to HDD or DVD-R from NLE
- Compatible with the Leading NLE Software Packages



*Basic Functions Only

Dimensions & Weight

- 17-1/10" (W) x 3-4/5" (H) x 14-3/5" (D)
- 12.9lbs

Refer to the Specifications for Metric Value.

Two-in-One Video Recorder/Player – DVD and S-VHS

SR-MV55



Playback/Recording Functions and More

- Simultaneous Recording from a single source to VCR and DVD decks
- Plays/Records DVD and S-VHS/VHS/S-VHS ET
- Full Auto Repeat disc authoring
- One-touch Dubbing from S-VHS/VHS to DVD
- Video Output Terminal with BNC Connector
- Live Memory and Live Check Functions
- External Wired Remote Control Code Input Terminal
- Last Function Memory
- Mode Lock
- i-LINK Connection (DV Input)
- Time Counter display
- DVD: Super MPEG Processors: Pre- and Post-Processors

- Closed Captions (DVD) Recording Capability
- Produces Professional-looking, High-quality DVD, suited for Academic/Corporate Program Creators and Professional Videographers

RS-232C External Control Terminal

- Power On/Off, Stop/Pause, Play/Fast forward/Rewind, Title skip next/previous, Set the time, Select deck, Record, Chapter skip next/previous, Direct shuttle speed, Playlist/title/chapter/direct search, Select direct input, Finalize, Menu operation, Disc type detection (CD, DVD, etc.), Remote control code input terminal,

Check the input and record mode, Sense Functions: Status, To data, CTL data, JVC status, Date data and Clock data

- Play, Stop, Pause, FFWD, REW, Skip forward, Skip reverse, Record
- VCR / DVD Transport Status: Counter, Remain
- Chapter fwd, Chapter rev
- Menu, Enter, left, right, up, and down direction keys
- Transport Status: Remain time
- Direct Playback Speed Control (Fast/Slow)
- Transport Status: Title, Chapter
- Fwd/Rev Field Step
- 30sec. Skip, Instant review (-7sec.)
- Recording Mode Select

- Audio Select, Subtitle Select
- Direct Input selection: L-1 (C), L-1 (S), F-1 (C), F1 (S), DV
- Finalize DVD-R

Playback Formats

- Disc Drive: DVD-R, DVD-RW, DVD-RAM, CDDA, VCD, CD-R (JPEG/MP3), CD-RW (JPEG/MP3)
- Tape: S-VHS, VHS Hi-Fi, S-VHSET (SP Mode only)

Recording Formats

- Disc Drive: DVD-R, DVD-RW, DVD-RAM
- Tape: S-VHS, VHS Hi-Fi, S-VHS ET (SP Mode only)

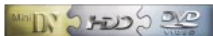
Dimensions & Weight

- 17-3/16" (W) x 3-13/16" (H) x 13-1/2" (D)
- 12.1lbs

Refer to the Specifications for Metric Value.

Three-in-One Video Recorder/Player—
MiniDV, DVD and Hard Disc Drive

SR-DVM700



Playback/Recording Functions and More

- 6-way Recording: 3 Formats in Both Directions with DV/MPEG2 Real-Time Encoding
- Recording and Playback of Various DV, DVD and CD Formats; also to and from the HDD (Refer to the Specifications for further Details)
- Multi-format Capability (DVD)
- Auto Error Correction System reduces Block Noise (MiniDV)
- DVCAM™ Playback (MiniDV)
- IEEE 1394 Interface
- Video Output Terminal with BNC Connector (Composite)
- External Wired Remote Control Code Input Terminal
- Full Auto Repeat disc authoring
- Last Function Memory and Mode Lock
- Totally Suppressed OSD Function

- Produces Professional-looking, High-quality DVD, suited for Professional Photographers, Studios or Broadcasters, Program Creators, and More!

**RS-232C Interface with DB9 Connector
HDD Editing Functions**

- 250GB HDD for High-storage Capacity
- Play List Editing for Dividing Recordings on HDD into Different Sections
- DV Native Format Recording to HDD
- Easy Program Dubbing
- Live Memory Playback Function
- Synchronized Editing System for Direct Dubbing from HDD to DVD makes "Glitch-less" Pauses at Edit Points during Playback

DVD Dubbing Functions

- Bit-rate Optimizer for HDD to DVD Recording

- Selectable Recording Times and Data Rates
- 18 Pre-installed/User-customizable Background Patterns (DVD)
- Extended Recording with High Resolution Pictures (DVD-RAM/DVD-RW/DVD-R VR mode)
- Super MPEG Processors: Pre- and Post-Processors (HDD/DVD)

Playback Formats

- MiniDV: DV Format, DVCAM
- DVD: DVD-R, DVD-RW, DVD-RAM, DVD+R, DVD+RW, CDDA, VCD, CD-R (JPEG/MP3/WMA), CD-RW (JPEG/MP3/WMA); HDD: MPEG2/DV

Recording Formats

- MiniDV: DV Format
- Disc Drive: DVD-R, DVD-RW, DVD-RAM; HDD: MPEG2/DV (250GB)

Compatible Video Sources

- DV IN: Digital Hardware (NLE System with DV Out, Player/Recorder with DV Out); Y/C or Composite IN: Analog Hardware (VHS/S-VHS Deck, VCR with YC or Composite Out); MiniDV Cassettes

NLE Compatibility*

- DV Capture from MiniDV and Output to Tape
- Real-time Recording to HDD or DVD-R from NLE
- Compatible with the Leading NLE Software Packages



*Basic Functions Only

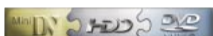
Dimensions & Weight

- 17-1/10" (W) x 3-4/5" (H) x 14-3/5" (D)
- 12.9lbs

Refer to the Specifications for Metric Value.

Three-in-One Video Recorder/Player—
MiniDV, DVD, Hard Disc Drive

SR-DVM600



Playback/Recording Functions and More

- 6-way Recording: 3 Formats in Both Directions with DV/MPEG2 Real-Time Encoding
- Recording and Playback of Various DV, DVD and CD Formats; also to and from the HDD (Refer to the Specifications for further Details)
- Multi-format Capability (DVD)
- Auto Error Correction System reduces Block Noise (MiniDV)
- DVCAM™ Playback (MiniDV)
- IEEE 1394 Interface
- Video Output Terminal with BNC Connector (Composite)
- External Wired Remote Control Code Input Terminal
- Full Auto Repeat disc authoring
- Last Function Memory and Mode Lock
- Produces Professional-looking, High-quality DVD,

suited for Professional Photographers, Studios or Broadcasters, Program Creators, and More!

DVD Dubbing Functions

- Bit-rate Optimizer for HDD to DVD Recording
- Selectable Recording Times and Data Rates
- 18 Pre-installed Background Patterns (DVD)
- Extended Recording with High Resolution Pictures (DVD-RAM/DVD-RW/VR mode)
- Super MPEG Processors: Pre- and Post-Processors (HDD/DVD)

HDD Editing Functions

- Play List Editing for Dividing Recordings on HDD into Different Sections
- Easy Program Dubbing
- Live Memory Playback Function
- Synchronized Editing System for Direct Dubbing

from HDD to DVD makes "Glitch-less" Pauses at Edit Points during Playback

- 40GB HDD for Temporary Storage or Repeated DVD Burning

Playback Formats

- MiniDV: DV Format, DVCAM
- DVD: DVD-R, DVD-RW, DVD-RAM, DVD+R, DVD+RW, CDDA, VCD, CD-R (JPEG/MP3), CD-RW (JPEG/MP3); HDD: MPEG2

Recording Formats

- MiniDV: DV Format
- Disc Drive: DVD-R, DVD-RW, DVD-RAM; HDD: MPEG2 (40GB)

Compatible Video Sources

- DV IN: Digital Hardware (NLE System with DV Out, Player/Recorder with DV Out); Y/C or

Composite IN: Analog Hardware (VHS/S-VHS Deck, VCR with YC or Composite Out); MiniDV Cassettes

NLE Compatibility*

- DV Capture from MiniDV and Output to Tape
- Real-time Recording to HDD or DVD-R from NLE
- Compatible with the Leading NLE Software Packages



*Basic Functions Only

Dimensions & Weight

- 17-1/10" (W) x 3-4/5" (H) x 14-3/5" (D)
- 12.9lbs

Refer to the Specifications for Metric Value.

Two-in-One Video Recorder/Player—
DVD and S-VHS

SR-MV55



Playback/Recording Functions and More

- Simultaneous Recording from a single source to VCR and DVD decks
- Plays/Records DVD and S-VHS/VHS/S-VHS ET
- Full Auto Repeat disc authoring
- One-touch Dubbing from S-VHS/VHS to DVD
- Video Output Terminal with BNC Connector
- Live Memory and Live Check Functions
- External Wired Remote Control Code Input Terminal
- Last Function Memory
- Mode Lock
- i-LINK Connection (DV Input)
- Time Counter display
- DVD: Super MPEG Processors: Pre- and Post-Processors

- Closed Captions (DVD) Recording Capability
- Produces Professional-looking, High-quality DVD, suited for Academic/Corporate Program Creators and Professional Videographers

RS-232C External Control Terminal

- Power On/Off, Stop/Pause, Play/Fast forward/Rewind, Title skip next/previous, Set the time, Select deck, Record, Chapter skip next/previous, Direct shuttle speed, Playlist/title/chapter/direct search, Select direct input, Finalize, Menu operation, Disc type detection (CD, DVD, etc.), Remote control code input terminal,

- Check the input and record mode, Sense Functions: Status, To data, CTL data, JVC status, Date data and Clock data
- Play, Stop, Pause, FFWD, REW, Skip forward, Skip reverse, Record
- VCR / DVD Transport Status: Counter, Remain
- Chapter fwd, Chapter rev
- Menu, Enter, left, right, up, and down direction keys
- Transport Status: Remain time
- Direct Playback Speed Control (Fast/Slow)
- Transport Status: Title, Chapter
- Fwd/Rev Field Step
- 30sec. Skip, Instant review (-7sec.)
- Recording Mode Select

- Audio Select, Subtitle Select
- Direct Input selection: L-1 (C), L-1 (S), F-1 (C), F-1 (S), DV
- Finalize DVD-R

Playback Formats

- Disc Drive: DVD-R, DVD-RW, DVD-RAM, CDDA, VCD, CD-R (JPEG/MP3), CD-RW (JPEG/MP3)
- Tape: S-VHS, VHS Hi-Fi, S-VHSET (SP Mode only)

Recording Formats

- Disc Drive: DVD-R, DVD-RW, DVD-RAM
- Tape: S-VHS, VHS Hi-Fi, S-VHS ET (SP Mode only)

Dimensions & Weight

- 17-3/16" (W) x 3-13/16" (H) x 13-1/2" (D)
- 12.1lbs

Refer to the Specifications for Metric Value.

Two-in-One Video Recorder/Player—
DVD and S-VHS

SR-MV45



Playback/Recording Functions and More

- Simultaneous Recording from a single source to VCR and DVD decks
- Plays/Records DVD and S-VHS/VHS/S-VHSET
- Full Auto Repeat disc authoring
- One-touch Dubbing from S-VHS/VHS to DVD
- Video Output Terminal with BNC Connector
- Live Memory and Live Check Functions
- External Wired Remote Control Code Input Terminal
- Last Function Memory
- Mode Lock
- i-LINK Connection (DV Input)
- Time Counter display
- DVD: Super MPEG Processors: Pre- and Post-Processors

- Closed Captions (DVD) Recording Capability
- Produces Professional-looking, High-quality DVD, suited for Academic/Corporate Program Creators and Professional Videographers

- Play, Stop, Pause, FFWD, REW, Skip forward, Skip reverse, Record
- VCR / DVD Transport Status: Counter, Remain
- Chapter fwd, Chapter rev
- Menu, Enter, left, right, up, and down direction keys
- Transport Status: Remain time
- Direct Playback Speed Control (Fast/Slow)
- Transport Status: Title, Chapter
- Fwd/Rev Field Step

- 30sec. Skip, Instant review (-7sec.)
- Recording Mode Select
- Audio Select, Subtitle Select
- Direct Input selection: L-1 (C), L-1 (S), F-1 (C), F-1 (S), DV
- Finalize DVD-R

Playback Formats

- Disc Drive: DVD-R, DVD-RW, DVD-RAM, CDDA, VCD, CD-R (JPEG/MP3), CD-RW (JPEG/MP3)
- Tape: S-VHS, VHS Hi-Fi, S-VHSET (SP Mode only)

Recording Formats

- Disc Drive: DVD-R, DVD-RW, DVD-RAM
- Tape: S-VHS, VHS Hi-Fi, S-VHS ET (SP Mode only)

Dimensions & Weight

- 17-3/16" (W) x 3-13/16" (H) x 13-1/2" (D)
- 12.1lbs

Refer to the Specifications for Metric Value.

Combo Deck		SR-DVM700	SR-DVM600	SR-MV55	SR-MV45				
MiniDV									
Format		DV format Rec / Play, DVCAM (Playback only) with Auto Error Correction System			—				
Cassette		MiniDV cassette			—				
Maximum Recording Time	SP	80 min. with M-DV80ME cassette			—				
	LP	120 min. with M-DV80ME cassette			—				
Audio Recording System		PCM 48 kHz, 16-bit (2-ch)/32kHz, 12-bit (4-ch)			—				
DVD/CD									
Format	DVD-R (VR mode, Video mode)	Rec / Play							
	DVD-RW (VR mode, Video mode)	Rec / Play							
	DVD+R	Play	—						
	DVD+RW	Play	—						
	DVD-RAM	Rec / Play							
	CDDA	Play							
	VCD	Play: MPEG1							
	CD-R	Play: JPEG/MP3/WMA							
Recording Time : (4.7 GB DVD)	CD-RW	Play: JPEG/MP3/WMA							
	Recording Time : (4.7 GB DVD)		Normal bit rate / Approx. duration						
	XP	Approx. 10 Mbps / 1 hr.			—				
	SP	Approx. 5 Mbps / 2 hrs.			—				
	LP	Approx. 2.5 Mbps / 4 hrs.			—				
	EP	Approx. 1.6 Mbps / 6 hrs.			—				
FR60-480	Variable* / 1-8 hrs.			—					
Audio Recording System		Dolby Digital 2ch, Linear PCM (XP mode only)							
Video Recording Compression System		MPEG2 (CBR/VBR)							
Hard Disk Drive									
Capacity		250 GB	40 GB	—					
Format		MPEG2/DV	MPEG2	—					
Recording Time		Max 473 hrs.		Max 71 hrs.					
Audio Recording System	FR60-480	Normal bit rate	Approx. duration	Normal bit rate	Approx. duration				
		Approx. 25Mbps	18 hrs.	—	—				
		Approx. 10Mbps	53 hrs.	Approx. 10Mbps	8 hrs.				
		Approx. 5 Mbps	109 hrs.	Approx. 5Mbps	16 hrs.				
		Approx. 2.5Mbps	218 hrs.	Approx. 2.5Mbps	33 hrs.				
		Approx. 1.6Mbps	328 hrs.	Approx. 1.6Mbps	49 hrs.				
		Variable*	53-473 hrs.	Variable*	8-71 hrs.				
		Audio Recording System		Dolby Digital 2ch, Linear PCM (XP mode only), PCM 48kHz, 16-bit(2ch)/32kHz, 12-bit(4ch) (DV mode only)					
Video Recording Compression System		Dolby Digital 2ch, Linear PCM (XP mode only)							
S-VHS									
Format		—			S-VHS, VHS Hi-Fi, S-VHS ET (SP mode only)				
Signal System		—			NTSC color signal and EIA monochrome signal, 525 lines/60 fields				
Recording System		—			DA4 (Double Azimuth) head helical scan system				
Maximum Recording Time	SP	—			210 min. with ST-210 video cassette				
	EP	—			630 min. with ST-210 video cassette				
Horizontal Resolution		—			230 lines (VHS), 400 lines (S-VHS)				
Frequency Range		—			20 Hz to 20,000 Hz (Hi-Fi audio)				
GENERAL									
Inputs/Outputs		In/Out	Location	In/Out	Location	In/Out	Location	In/Out	Location
Composite Video Output (via BNC) x 1		MiniDV, DVD, HDD	rear	MiniDV, DVD, HDD	rear	DVD, S-VHS	rear	DVD, S-VHS	rear
DV In/Out (i.Link) x 1 (4-pin, S400)	Input	MiniDV, DVD, HDD	front	MiniDV, DVD, HDD	front	DVD, S-VHS	front	DVD, S-VHS	front
	Output	MiniDV, HDD	front	MiniDV	front	—		—	
S-Y/C Input x 2		MiniDV, DVD, HDD	front/rear	MiniDV, DVD, HDD	front/rear	DVD, S-VHS	front/rear	DVD, S-VHS	front/rear
S-Y/C Output x 2		MiniDV, DVD, HDD	rear x 1	MiniDV, DVD, HDD	rear x 1	DVD, S-VHS	rear x 1	DVD, S-VHS	rear x 1
Video/Audio L, R (via RCA) x 4	Input x 2	MiniDV, DVD, HDD	front/rear	MiniDV, DVD, HDD	front/rear	DVD, S-VHS	front/rear	DVD, S-VHS	front/rear
	Output x 2	MiniDV, DVD, HDD	rear x 1	MiniDV, DVD, HDD	rear x 1	DVD	rear x 1	DVD	rear x 1
Y-Pb-Pr Output (via RCA) x 1		DVD, HDD	rear	DVD, HDD	rear	DVD, S-VHS	rear x 1	DVD, S-VHS	rear x 1
Optical Digital Audio Out x 1		DVD, HDD	rear	DVD, HDD	rear	DVD	rear	DVD	rear
Coaxial Digital Audio Out x 1		DVD, HDD	rear	DVD, HDD	rear	DVD	rear	DVD	rear
External Wired Remote Control Code Input Terminal x 1		MiniDV, DVD, HDD	rear	MiniDV, DVD, HDD	rear	DVD, S-VHS	rear	DVD, S-VHS	rear
RS-232C (D-Sub 9-pin) x 1		MiniDV, DVD, HDD	rear	—		DVD, S-VHS	rear	—	
Power Requirements		AC 120V, 60Hz							
Power Consumption	Power On	45W			52W			—	
	Power Off	2.5W			2.7W			—	
Dimensions (W x H x D)		17-1/10" x 3-4/5" x 14-3/5" (435 x 96 x 372 mm)			17-3/16" x 3-13/16" x 13-1/2" (435 x 96 x 343 mm)			—	
Weight		12.9 lbs (5.8 kg)			12.1 lbs (5.5 kg)			—	

* The amount varies depending on the selected time.

17-inch SXGA LCD Monitor (5:4 1280 x 1024 pixels) | LM-170

15-inch XGA LCD Monitor (5:4 1024 x 768 pixels) | LM-150



Precise picture quality

- Color Transient Improvement (CTI)
- Luminance Transient Improvement (LTI)

High reliability

- Designed for 24/7 operation

Professional features

- BNC connectors for VIDEO
- Rack mount capability
- 16:9/4:3 selectable aspect ratio

Easy installation

- VESA 100 mount
- Screw holes for installation
- Built-in power supply

21-inch (20"V) Flat CRT Color Monitor | TM-21A2U



- 2 Video Inputs, 1 Video Output terminal (RCA)
- 2 Audio Inputs (mono) 1 Audio output (mono) terminal (RCA)
- NTSC/PAL/SECAM Compatibility
- White balance (Cool/Normal/Warm)
- Auto VNR (Video Noise Reduction)
- Front Panel Control Lock
- Remote Control Unit
- On Screen Display

14-inch (13"V) Color Video Monitor | TM-A13SU



- NTSC/PAL Compatibility
- CPU (Central Processing Unit) picture control
- Built-in loudspeaker
- Mounting hole for rack installation
- Composite and Y/C input terminals
- Comb filter

LP		Approx. 2.5 Mbps / 4 hrs.			
EP		Approx. 1.6 Mbps / 6 hrs.			
FR60-480		Variable* / 1-8 hrs.			
Audio Recording System		Dolby Digital 2ch, Linear PCM (XP mode only)			
Video Recording Compression System		MPEG2 (CBR/VBR)			
Hard Disk Drive					
Capacity		250 GB		40 GB	
Format		MPEG2/DV		MPEG2	
Recording Time		Max 473 hrs.		Max 71 hrs.	
		Normal bit rate	Approx. duration	Normal bit rate	Approx. duration
	DV	Approx. 25Mbps	18 hrs.	—	—
	XP	Approx. 10Mbps	53 hrs.	Approx. 10Mbps	8 hrs.
	SP	Approx. 5Mbps	109 hrs.	Approx. 5Mbps	16 hrs.
	LP	Approx. 2.5Mbps	218 hrs.	Approx. 2.5Mbps	33 hrs.
	EP	Approx. 1.6Mbps	328 hrs.	Approx. 1.6Mbps	49 hrs.
	FR60-480	Variable*	53-473 hrs.	Variable*	8-71 hrs.
Audio Recording System		Dolby Digital 2ch, Linear PCM (XP mode only), PCM 48kHz, 16-bit (2ch) / 32kHz, 12-bit (4ch) (DV mode only)		Dolby Digital 2ch, Linear PCM (XP mode only)	

S-VHS

Format		—				S-VHS, VHS Hi-Fi, S-VHS ET (SP mode only)	
Signal System		—				NTSC color signal and EIA monochrome signal, 525 lines/60 fields	
Recording System		—				DA4 (Double Azimuth) head helical scan system	
Maximum Recording Time	SP	—				210 min. with ST-210 video cassette	
	EP	—				630 min. with ST-210 video cassette	
Horizontal Resolution		—				230 lines (VHS), 400 lines (S-VHS)	
Frequency Range		—				20 Hz to 20,000 Hz (Hi-Fi audio)	

GENERAL

Inputs/Outputs		In/Out	Location	In/Out	Location	In/Out	Location	In/Out	Location
Composite Video Output (via BNC) x 1		MiniDV, DVD, HDD	rear	MiniDV, DVD, HDD	rear	DVD, S-VHS	rear	DVD, S-VHS	rear
DV In/Out (i.Link) x 1 (4-pin, S400)	Input	MiniDV, DVD, HDD	front	MiniDV, DVD, HDD	front	DVD, S-VHS	front	DVD, S-VHS	front
	Output	MiniDV, HDD	front	MiniDV	front	—	—	—	—
S-Y/C Input x 2		MiniDV, DVD, HDD	front/rear	MiniDV, DVD, HDD	front/rear	DVD, S-VHS	front/rear	DVD, S-VHS	front/rear
S-Y/C Output x 2		MiniDV, DVD, HDD	rear x 1	MiniDV, DVD, HDD	rear x 1	DVD, S-VHS	rear x 1	DVD, S-VHS	rear x 1
		DVD, HDD	rear x 1	DVD, HDD	rear x 1	DVD	rear x 1	DVD	rear x 1
Video/Audio L, R (via RCA) x 4	Input x 2	MiniDV, DVD, HDD	front/rear	MiniDV, DVD, HDD	front/rear	DVD, S-VHS	front/rear	DVD, S-VHS	front/rear
	Output x 2	MiniDV, DVD, HDD	rear x 1	MiniDV, DVD, HDD	rear x 1	DVD	rear x 1	DVD	rear x 1
		DVD, HDD	rear x 1	DVD, HDD	rear x 1	DVD, S-VHS (Only Audio L,R)	rear x 1	DVD, S-VHS (Only Audio L,R)	rear x 1
Y-Pb-Pr Output (via RCA) x 1		DVD, HDD	rear	DVD, HDD	rear	DVD	rear	DVD	rear
Optical Digital Audio Out x 1		DVD, HDD	rear	DVD, HDD	rear	DVD	rear	DVD	rear
Coaxial Digital Audio Out x 1		DVD, HDD	rear	DVD, HDD	rear	DVD	rear	DVD	rear
External Wired Remote Control Code Input Terminal x 1		MiniDV, DVD, HDD	rear	MiniDV, DVD, HDD	rear	DVD, S-VHS	rear	DVD, S-VHS	rear
RS-232C (D-Sub 9-pin) x 1		MiniDV, DVD, HDD	rear	—	—	DVD, S-VHS	rear	—	—
Power Requirements		AC 120V, 60Hz							
Power Consumption	Power On	45W				52W			
	Power Off	2.5W				2.7W			
Dimensions (W x H x D)		17-1/10" x 3-4/5" x 14-3/5" (435 x 96 x 372 mm)				17-3/16" x 3-13/16" x 13-1/2" (435 x 96 x 343 mm)			
Weight		12.9 lbs (5.8 kg)				12.1 lbs (5.5 kg)			

* The amount varies depending on the selected time.

Optional Monitors

17-inch SXGA LCD Monitor (5:4 1280 x 1024 pixels) | **LM-170**

15-inch XGA LCD Monitor (5:4 1024 x 768 pixels) | **LM-150**



Precise picture quality

- Color Transient Improvement (CTI)
- Luminance Transient Improvement (LTI)

High reliability

- Designed for 24/7 operation

Professional features

- BNC connectors for VIDEO
- Rack mount capability
- 16:9/4:3 selectable aspect ratio

Easy installation

- VESA 100 mount
- Screw holes for installation
- Built-in power supply

21-inch (20"V) Flat CRT Color Monitor | **TM-21A2U**



- 2 Video Inputs, 1 Video Output terminal (RCA)
- 2 Audio Inputs (mono), 1 Audio output (mono) terminal (RCA)
- NTSC/PAL/SECAM Compatibility

- White balance (Cool/Normal/Warm)
- Auto VNR (Video Noise Reduction)
- Front Panel Control Lock
- Remote Control Unit
- On Screen Display

14-inch (13"V) Color Video Monitor | **TM-A13SU**



- NTSC/PAL Compatibility
- CPU (Central Processing Unit) picture control
- Built-in loudspeaker

- Mounting hole for rack installation
- Composite and Y/C input terminals
- Comb filter



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