



## Record digital pictures and camcorder tapes on DVD and play them on TV

### Best Picture

- **i.LINK digital connection** for perfect copies of camcorder tapes
- **RGB Component Video Input** for the best digital recording quality
- **YP<sub>B</sub>P<sub>R</sub> Component Video Outputs** the best possible and most flexible analog video connection

### Best Sound

- **2-channel Dolby Digital encoder** for perfect recording of stereo and Dolby Pro Logic audio
- **24-bit digital-to-analog conversion** for top quality sound

### Great Convenience

- **Over 3600 pictures on DVD!**
- **Media slot (PCMCIA)** for fast transfer from memory card to DVD; no cables, no software installation
- **Up to 8 hours video recording** per side
- **Index Picture Screen** for visual Table Of Contents
- **Favorite Scene Selection** for easy editing of your home movies
- **Disc Manager** for instant overview of all your discs
- **Plays Picture CDs & DVDs**



# DVD Recorder



## Technical Specification DVDR77

### Disc types

	Playback	Recording
DVD+RW	•	•
DVD+R	•	•
Picture DVD	•	•
Picture CD	•	-
DVD-R/-RW, video mode	•	-
DVD-Video	•	-
Video CD, Super VCD	•	-
Audio CD	•	-
MP3 CD	•	-
CD-R/-RW	•	-

### Video Format

Digital compression DVD, SVCD: MPEG2  
VCD: MPEG1

Mode	Rec. time	Resolution	Bit rate	
			Video (Mbits/s)	Audio (kbits/s)
M1	60'	D1	9.72	384
M2	120'	D1	5.07	256
M2x	150'	D1	4.06	256
M3	180'	½D1	3.38	256
M4	240'	½D1	2.54	256
M6	360'	½D1	1.70	256
M8	480'	SIF	1.27	192

Resolution H x V (pixels)	50Hz	60Hz
Full D1 (DVD-Video)	720 <sup>2</sup> x576	720 <sup>2</sup> x480
Half D1	360 <sup>2</sup> x576	360 <sup>2</sup> x480
SIF (VCD)	352x288	352x240

<sup>1</sup> equivalent to 500 analog TV lines

<sup>2</sup> equivalent to 250 analog TV lines

TV Standard	PAL/SECAM	NTSC
Scan frequency	50Hz	60Hz
Number of lines	625	525
Playback	•	•
Recording	•	•
Internal tuner	•	-

### Video Performance

DA Converter 10 bit, 54 MHz  
AD Converter 9 bit, 27 MHz  
Video (CVBS) out 1 V<sub>pp</sub> into 75 ohm  
S-video (Y/C) out Y: 1 V<sub>pp</sub> into 75 ohm  
C: 0.3 V<sub>pp</sub> into 75 ohm  
YP<sub>B</sub>P<sub>R</sub> component video out Y: 1 V<sub>pp</sub> into 75 ohm  
P<sub>B</sub>: 0.7 V<sub>pp</sub> into 75 ohm  
P<sub>R</sub>: 0.7 V<sub>pp</sub> into 75 ohm  
RGB component video out 0.7 V<sub>pp</sub> into 75 ohm

### Audio Format

Compressed digital	Playback	Recording
Dolby Digital (AC-3)	5.1-channel*	2-channel 16-bit, 48 kHz
DTS, MPEG2	5.1-channel*	-
MPEG1, MP3	2-channel	-
SPDIF		
PCM	2-channel 16/20/24 bit 48/96 kHz	-

\*6.1-channel compatible

### Audio Performance

DA Converter 24 bit, 192 kHz  
AD Converter 24 bit, 96 kHz  
Signal / Noise (1kHz) 105 dB  
Dynamic range (1kHz) 90 dB  
Crosstalk (1kHz) 105 dB  
Distortion / Noise (1kHz) 90 dB

### Front Connections

Memory card slot PCMCIA type II  
i.LINK DV in IEEE 1394 4-pin  
S-video in Hosiden 4-pin  
Video in Cinch (yellow)  
Audio left/right in Cinch (white/red)

### Rear Connections

CVBS, S-Video/RGB out  
CVBS, S-Video/RGB in, decoder  
Cinch (green/blue/red)  
Hosiden 4-pin  
Video out Cinch (yellow)  
Audio left/right out Cinch (white/red)  
RF antenna in Coaxial 75 ohm (IEC type)  
RF TV out Coaxial 75 ohm (IEC type)  
Mains Standard (IEC type)

### Timer Recording

Number of events 6; 1 month; daily/weekly  
Record control VPS, PDC  
Autom. Sat. Recording On SCART 2  
Timer programming Manual, ShowView / VIDEO Plus+, NexTVView Link

### Disc Manager

- Stores library of over 9000 DVD+RW/+R titles
- Ordering alphabetical, chronological or by disc
- Finding of titles and empty spaces

### Digital Photo Manager

- PCMCIA slot compatible with Compact Flash, XD card Memory Stick, SD card, Smart Media, Micro Drive (up to 2 GB)
- Recording on DVD+RW/+R
- Over 3600 pictures per DVD
- Two-way transfer between memory card and DVD
- Picture formats supported: EXIF-compliant JPEG
- Slide show
- Zoom (2 x, 4x, 6x)
- Rotate
- Filters (Sepia, Negative, Colour negative, Black & White, Soften)
- Colour adjustment (R/G/B)
- DVD Video-compatible slide show recording

### General Functionality

Audio standby/screen saver  
Backup presets & timer: 1 year  
Backup clock & calendar: 5 hrs  
Auto clock set PDC, Teletext (Time/Date)  
Audio Recording Level Automatic  
TV-related functions 16:9 (pin 8), Follow TV, Direct Record  
Digital Bus functions: Cinema Link (pin 10)

### Recording functions

- Safe Record
- Direct Record
- One-Touch Record (OTR)
- Overwrite
- Station ID and Program Name recording
- Append
- Divide
- Erase
- Automatic/Manual Chapter Marker insertion
- Disc write protection
- Favorite Scene Selection
- Index Picture Screen for instant content overview
- Selectable Index Pictures
- Selectable background picture

### DVD/CD playback

- Fast Forward/Backward (3 speeds)
- Step Forward/Backward
- Slow (3 speeds)
- Direct Title / Track access
- Next / Previous Title / Track / Chapter
- Repeat (Chapter / Title / All) or (Track / All)
- A-B Repeat
- Shuffle
- Intro Scan
- Time Search
- Zoom (1.33x, 2x, 4x) with picture enhancement
- Auto Resume (20 discs)

### MP3 CD playback

- Time display (Track)
- MP3 text (ID3 tags) display
- Album and track selection
- Repeat (disc/album/ track)
- Variable Bit Rate of 32-256 kbit/s
- 32, 44.1, 48 kHz sampling rates
- ISO9660 file system
- Nested directories supported to 8 levels
- Up to 32 album numbers
- Up to 999 tracks

### On-Screen Display

Languages: English, French, German, Dutch, Spanish, Portuguese, Italian, Swedish, Danish, Norwegian, Finnish

### Power Supply

Power Inlet	200-240 V, 50/60 Hz						
Power consumption	<table border="1"> <tr> <td>Operation</td> <td>28 W</td> </tr> <tr> <td>Low Power</td> <td>3 W</td> </tr> <tr> <td>Standby</td> <td></td> </tr> </table>	Operation	28 W	Low Power	3 W	Standby	
Operation	28 W						
Low Power	3 W						
Standby							

### Cabinet

Dimensions (W x H x D) 435 x 65 x 335 mm  
Net Weight 4.0 kg

### Package Contents

- DVD Recorder
- 46-key remote control + Batteries
- Directions for use
- AC power cable
- Full SCART cable
- Coax digital audio cable
- Coax RF antenna cable

