

Specifications

PLAYBACK SYSTEM

DVD-Video
Video CD
CD (CD-R and CD-RW)
Super VCD

OPTICAL READOUT SYSTEM

Laser type	Semiconductor AlGaAs
Numerical Aperture	0.60 (DVD) 0.45 (VCD/CD)
Wavelength	650 nm (DVD) 780 nm (VCD/CD)

DVD DISC FORMAT

Medium	Optical Disc
Diameter	12cm (8cm)
Playing time (12cm)	One layer 2.15 h [*] Dual layer 4 h [*] Two side 4.30 h [*] Single layer Two side 8 h [*] Dual layer

TV STANDARD

	EUROPE	USA
	(PAL/50Hz)	(NTSC/60Hz)
Number of lines	625	525
Playback	Multistandard	(PAL/NTSC)

VIDEO FORMAT

Signal	Digital
Signal handling	Components
Digital Compression	MPEG2 for DVD, MPEG1 for VCD

DVD

	50Hz	60Hz
Horiz. Resolution	720 pixels**	720 pixels**
Vertical Resolution	576 lines	480 lines

VCD

	50Hz	60Hz
Horiz. Resolution	352 pixels**	352 pixels**
Vertical Resolution	288 lines	240 lines

VIDEO PERFORMANCE

Video output	1 Vpp into 75 ohm
S-Video output	Y: 1 Vpp into 75 ohm C: 0.300 Vpp into 75 ohm
RGB output	0.7 Vpp into 75 ohm
YUV output	Y: 1Vpp into 75 ohm U: 0.7 Vpp into 75 ohm V: 0.7 Vpp into 75 ohm
Black Level Shift	On/Off
Video Shift	Left/Right

AUDIO FORMAT

Digital	MPEG DTS/AC-3 PCM	Compressed Digital 16, 20, 24 bit fs, 48, 96 kHz
---------	-------------------------	--

Analog Sound Stereo
Dolby Surround™ downmix from multi-channel sound
3D Sound for virtual 5.1 channel sound on 2 speakers

AUDIO PERFORMANCE

DA Converter	24 bits
DVD	fs 96 kHz 4 Hz - 44 kHz fs 48 kHz 4 Hz - 22 kHz
Video CD	fs 48 kHz 4 Hz - 22 kHz
CD	fs 44.1 kHz 4 Hz - 20 kHz
Signal-Noise (1kHz)	110 dB
Dynamic Range (1kHz)	100 dB
Crosstalk (1kHz)	115 dB
Distortion Noise (1kHz)	92 dB

CONNECTIONS

Scart	2 Euroconnector	
	S-Video Output	Mini DIN, 4 pin
	Video Output	2 Cinch (yellow)
	3 Cinch	
YUV Output	2 Cinch (white/red)	
Analog Audio L+R output	1 coaxial, 2 optical	
Digital Audio Output	IEC958 for CDDA / LPCM IEC1937 for MPEG1, MPEG2 and AC-3 IEC61937 for DTS	

POWER SUPPLY (UNIVERSAL)

Power Inlet	100-240V, 50/60Hz
Power consumption	25 Wwatt
Power consumption standby	less than 10 Watt

CABINET

Dimensions	435 x 110 x 330 (w x h x d)
Weight	>9 kg

PACKAGE CONTENTS

DVD-Video Player
Remote Control Handset with separately-packed batteries
2-core power cord
Euroconnector cable (Europe)
YUV cables (non Europe)
Audio cable
Video cable
Digital cable (coax)
User Manual
Warranty

GENERAL FUNCTIONALITY

Stop / Play / Pause
Fast Forward / Backward (3-speed)
Time search
Step Forward / Backward
Slow (3-speed)
Title / Track Select
Skip Next / Skip Previous
Repeat (Chapter / Title / All) or (Track / All)
A-B Repeat
Shuffle
Enhanced ("One OSD") menus
Perfect Still with digital multi-tap filter
Zoom (x1.33, x2, x4) with picture enhancement
3D Sound
Digital Natural Motion
Active Control
DIM (3 levels of display brightness)
Bit-rate indicator

DVD FUNCTIONALITY

Multi-angle Selection
Audio Selection (1 out of max. 8 languages)
Subtitles Selection (1 out of max. 32 languages)
Aspect Ratio conversion (16:9, 4:3 Letterbox, 4:3 Pan Scan)
Parental Control and Disk lock
Disc Menu support (Title Menu and Root Menu)
Resume (5 discs) after stop / standby
Screen Saver (Dim 75% after 15 min.)
Programming FTS

VIDEO CD FUNCTIONALITY

Playback Control for VCD 2.0 discs
Resume (5 discs) after stop / standby
Screen Saver (Dim 75% after 15 min.)
Programming FTS

AUDIO CD FUNCTIONALITY

Time Display (Total / Track / Remaining Track Time)
Full audio functionality with remote control
Programming FTS

* typical playing time for movie with 2 spoken languages and 3 subtitle languages.

** equivalent to 500 lines on your TV