



## Ultra-Slim DVD Video Player

### PICTURE QUALITY

- **Smart Picture:** Convenience of ideal, personal and pre-defined settings
- **RGB on Scart:** Easy connectivity for high quality video
- **4 x Video Upsampling (54Mhz/12 bit):** For improved image quality

### SOUND QUALITY

- **192kHz/24 bit Audio DAC:** For high quality audio performance
- **3D Sound:** Virtual surround sound via 2-speaker output
- **Smart Sound:** Pre-defined settings for optimum sound experience
- **Digital Optical Output:** For highest quality audio

### GREAT CONVENIENCE

- **Multi-format playability:** Plays DVD-Video, DVD+RW, DVD+R, CD, CD-R/CD-RW, MP3-CD, VCD, S-VCD and Picture CD (JPEG)
- **Digital Zoom:** Advanced high resolution digital zoom for extreme close ups
- **Picture CD (JPEG) with MP3 playback:** Playback MP3s while viewing digital pictures on TV



# Philips DVD-Video Player



## Technical specifications DVD 728

### Playback system

- DVD-Video
- Video CD (VCD)
- SVCD
- MP3-CD<sup>1</sup>
- CD (CD-R and CD-RW)<sup>1</sup>
- DVD+RW
- DVD+R
- Picture CD (JPEG)

### Optical read-out system

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

### DVD disc format

- Medium
- Diameter
- Playing time (12cm)

Optical disc	
12 cm (8 cm)	
One layer	2.15 h <sup>2</sup>
Dual layer	4 h <sup>2</sup>
Two side, single layer	4.30 h <sup>2</sup>
Two side, dual layer	8 h <sup>2</sup>

### TV standard

#### PAL

#### NTSC

- |                   |                           |      |
|-------------------|---------------------------|------|
|                   | 50 Hz                     | 60Hz |
| • Number of lines | 625                       | 525  |
| • Playback        | Multi standard (PAL/NTSC) |      |

### Video format

Digital compression	MPEG 2 for DVD, SVCD	
	MPEG 1 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

- RGB output 0.7 Vpp into 75 ohm
- Video output 1 Vpp into 75 ohm
- Video Shift Left/right

### Audio format

Mpeg/Dolby Digital/DTS/PCM	Compressed Digital, 16, 20, 24 bits fs, 44.1, 48, 96 kHz
MP3 (ISO 9660)	96, 112, 128, 256 kbps & variable bit rate fs, 32, 44.1, 48 kHz

- Analog sound stereo
- Dolby surround compatible downmix from Dolby Digital multi-channel sound
- 3D sound for virtual 5.1 channel sound on 2 speakers

### Audio performance (typical)

• D/A converter 24 bits		
DVD	Fs 96 kHz Fs 48 kHz	4 Hz- 44 kHz 4 Hz- 22 kHz
CD/Video CD	Fs 44.1 kHz	4 Hz- 20 kHz
S-Video CD	Fs 48 kHz Fs 44.1 kHz	4 Hz- 22 kHz 4 Hz- 20 kHz

- Signal-noise (1kHz) 105 dB
- Dynamic Range (1kHz) 100 dB
- Crosstalk (1kHz) 105 dB
- Distortion/noise (1kHz) 90 dB
- MPEG MP3 MPEG Audio L3

### Connections

- Scart Euro connector 1x
- Video output Cinch (yellow)
- Audio L+R output Cinch (white/ red) 2x
- Digital Output 1 coaxial, 1 optical IEC958 for CDDA/LPCM IEC1937 for MPEG 1/2, Dolby Digital

### Power supply

- Power inlet 110-240 V, 50-60 Hz
- Power usage Approx. 10 watt
- Power usage standby Less than 1 watt

### Cabinet

- Dimension 435 x 43 x 300 mm (w x h x d)
- Weight Approx. 2.8 kg

### Package contents

- DVD-video player
- Remote control with batteries
- User manual
- Audio cable
- Scart cable

### General functionality

- Stop/ play/ pause
- Fast forward/ backward
- Step forward
- Slow motion
- Title/ chapter/ track select
- Skip next/ skip previous
- Repeat (Chapter/ title/all) or (Track/ all)
- A-B repeat
- Zoom (x1.33, x2, x4) with picture enhancement
- 3D sound
- Screen saver
- Enhanced Smart Picture
- Smart Sound
- CD Text
- Resume (5 discs) after stop/ standby<sup>3</sup>
- Parental control and disc lock (120 disc)
- Programming with Favorite Track Selection (FTS)
- NTSC / PAL conversion
- Smart power off for energy saving

### 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)
- Disc Menu support (title menu and root menu)

### Video CD functionality

- Playback control for VCD 2.0 discs

### SVCD functionality

- Playback control as per SVCD standard
- Audio Selection (1 out of max. 4 languages)

### Picture CD functionality

- Playback pictures one by one automatically.
- Display the picture customer preferred.
- Zoom the picture.
- Rotate the picture.
- Flip the picture vertically or horizontally.
- Control the playback speed.
- Album and track selection.
- Repeat (disc / album / track / picture).

### MP3-CD functionality

- Nested directory levels supported to 8 levels.
- Maximum album numbers possible is 32.
- Maximum MP3 Tracks Programmable is 96.
- Maximum Number of Tracks is 999.

- 1 Applicable for single session finalised disc only.
- 2 Typical playing time for movie with 2 spoken languages and 3 subtitle languages.
- 3 Applicable only for DVD, VCD, SVCD discs.

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