

Philips DVD-Video Player DVD 870

DesignLine (ivory)



- DVD/Video CD/Audio CD/CD-R/CD-RW/MP3-CD Playback
- Dual Laser Drive for optimum read-out of DVD and CD-discs
- Perfect Still picture with multiple zoom factors
- Enhanced Parental Control with Disc Lock
- 5 Disc Resume
- Digital Audio output (PCM / MPEG 2 / Dolby Digital / DTS)
- NTSC/PAL Conversion
- TruSurround™ 3D Sound for analog out
- New enhanced graphical user interface
- Audio and video bit rate indicator
- Independent subwoofer audio output



Let's make things better



PHILIPS

DVD-Video player



Technical specifications DVD 870

Playback system

- DVD-Video
- Video CD
- CD (CDR and CD-RW)
- DVD+RW
- MP3-CD

Optical read-out 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 12 cm (8 cm)
 - Playing time
- | | | |
|--------|------------------------|---------------------|
| (12cm) | One layer | 2.15 h ¹ |
| | Dual layer | 4 h ¹ |
| | Two side, single layer | 4.30 h ¹ |
| | Two side, dual layer | 8 h ¹ |

TV standard

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

Video format

- D/A converter 10 bits
- Signal handling Components
- Digital compression MPEG 2 for DVD
MPEG 1 for VCD

	DVD	50Hz	60Hz
Horiz. resolution	720	720	720
	pixels	pixels	pixels
Vertical resolution	576 lines	480 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: 0.3 Vpp into 75 ohm
- RGB output 0.7 Vpp into 75 ohm
- Black Level Shift On/off
- Video Shift Left/right

Audio format

- Digital

Mpeg/AC-3/ DTS PCM	Compressed Digital, 16, 20 bits fs, 44.1, 48, 96 kHz
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- Analog sound stereo
- Dolby Pro Logic downmix from Dolby Digital multi-channel sound
- 3D sound for virtual 5.1 channel sound on 2 speakers

Audio performance (typical)

	24 bits	
DVD:	Fs 96 kHz	4 Hz- 44 kHz
	Fs 48 kHz	4 Hz- 22 kHz
Video CD:	Fs 44.1 kHz	4 Hz- 20 kHz
CD:	Fs 44.1 kHz	4 Hz- 20 kHz
SVCD:	Fs 44.1 kHz	4 Hz- 20 kHz
	Fs 48.1 kHz	4 Hz- 22 kHz

- Signal-noise (1kHz) 100 dB
- Dynamic Range (1kHz) 97 dB
- Crosstalk (1kHz) 110 dB
- Distortion/noise (1kHz) 88 dB
- MPEG MP3 MPEG Audio L3

Connection

- Scart Euroconnector
- S-Video output Mini DIN, 4-pins
- Video output Cinch (yellow)
- Audio L+R Output Cinch (white/ red)
- Audio Centre Cinch (blue)
- Audio Subwoofer Cinch (black)
- Digital Output 1 coaxial, 1 optical
IEC958 for CDDA/
LPCM
IEC1937 for MPEG 1/2,
AC-3, DTS
on SCART
- Cinemalink

Power supply

- Power inlet 230 V, 50 Hz
- Power usage 20 watt
- Power usage standby less than 5 watt

Cabinet

- Dimension 435 x 92 x 320 mm
(w x h x d)
- Weight Approx. 4 kg

Package contents

- DVD-video player
- Remote control with batteries
- User manual
- Audio cable
- Video cable
- SCART cable (euroconnector)

General functionality

- Stop/ play/ pause
- Fast forward/ backward
- Time search
- Step forward/ backward
- Slow motion
- Title/ chapter/ track select
- Skip next/ skip previous
- Repeat (Chapter/ title/ all) or (Track/ all)
- A-B repeat
- Shuffle
- Scan
- New enhanced user graphical interface
- Perfect still with digital multi-tap filter
- Zoom (x1.33, x2, x4) with picture enhancement
- Screen saver (dim 75% after 15 min.)
- Cinemalink interconnection for plug & play
- 3D sound
- Virtual Jog Shuttle
- Audio and video bit rate indicator
- Smart Picture

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 disc lock
- Disc Menu support (title menu and root menu)
- Resume (5 discs) after stop/ standby
- Programming titles/ chapters with favorite selection

Video CD functionality

- Playback control for VCD 2.0 discs
- Disc lock
- Resume (5 discs) after stop/ standby
- Programming tracks with favorite selection

Audio CD functionality

- Time display (total/ track/ remaining track time)
- Full audio functionality with remote control
- Programming with favorite track selection

MP3 functionality

- Time Display (Track)
- Album and Track Selection
- Repeat (Disc /Album /Track)

¹ Typical playing time for movie with 2 spoken languages and 3 subtitle languages.