

DVD Video Player
DVD 960

Philips DVD-Video Player DVD 960

- DVD / Video CD / Audio CD / CD-R / CD-RW / playback
- Dual Laser optical pickup unit
- High Quality Digital to Analog Conversion for audio and video
- Separate Audio and Video Circuit
- Asymmetric feet positioning
- Aluminum front
- Universal Jog / Shuttle remote control
- Coaxial and optical Digital Audio output (PCM / MPEG / AC-3 / DTS)
- RGB / YUV / S-Video / CVBS connection
- Dolby Surround for analog out
- Favorite Track Selection (FTS)
- Disc Lock Out
- 3D Sound
- Screen saver



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PHILIPS



Technical Specifications DVD 960

Playback System

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

Optical Read-out System

- Laser type Semiconductor
- Numerical Aperture 0.6 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 (12 cm)
 - one layer 2.15h¹
 - dual layer 4h¹
 - two side, single layer 4.30h¹
 - two side, two layer 8h¹

TV Standard

- | | | |
|-------------------|---------------|------------|
| | PAL/50 Hz | NTSC/60 Hz |
| • Number of lines | 625 | 525 |
| • Playback | Multistandard | |

Video Format

- DA Converter 10 bits
- Signal handling Components
- Digital Compression MPEG2 for DVD
MPEG1 for VCD

- | | | |
|--------------------|-------------------------|-------------------------|
| <i>DVD</i> | 50 Hz | 60 Hz |
| • Hor. Resolution | 720 pixels ² | 720 pixels ² |
| • Vert. Resolution | 576 lines | 480 lines |
| <i>VCD</i> | 50 Hz | 60 Hz |
| • Hor. Resolution | 352 pixels ² | 352 pixels ² |
| • Vert. Resolution | 288 lines | 240 lines |

Video Performance

- Video output 1 V_{pp} into 75 Ohm
- S-Video output Y:1 V_{pp} into 75 Ohm
C:0.300 V_{pp} into 75 Ohm
- RGB output 0.7 V_{pp} into 75 Ohm
- YUV output Y:1 V_{pp} into 75 Ohm
U:0.7 V_{pp} into 75 Ohm
V:0.7 V_{pp} into 75 Ohm
- Video Shift Left/Right

Audio Format

- Digital MPEG 2, AC-3, DTS, PCM Compressed Digital
16, 20, 24 bit
fs, 48, 96 kHz
- Analog sound Stereo
- Dolby Pro Logic™ downmix from multi channel sound
- 3D Sound for virtual 5.1 channel sound on 2 speakers

Audio Performance

- DA Converter 24 bits, 96 kHz
- DVD f_s 96 kHz 4 Hz-44 kHz
f_s 48 kHz 4 Hz-22 kHz
- Video CD f_s 48 kHz 4 Hz-22 kHz
- CD f_s 44.1 kHz 4 Hz-20 kHz
- Signal-Noise (1 kHz) 113 dB
- Dynamic Range (1 kHz) 113 dB
- Crosstalk (1kHz) 120 dB
- Distortion and Noise (1 kHz) -97 dB

Connections

- | | |
|------------------|----------------------------------|
| Scart | Euroconnector |
| YUV (YcrCb) | Cinch |
| CVBS | Cinch |
| S-Video | Mini DIN, 4 pins |
| Audio L+R output | Cinch |
| Digital Output | 1 coaxial, 1 optical |
| | IEC958 for CDDA / LPCM |
| | IEC1937 for MPEG1/2, AC-3
DTS |

Power Supply

- | | |
|---------------------|------------------|
| Power Inlet | 220 V, 50 Hz |
| Power usage | 20 Watt |
| Power usage standby | less than 5 Watt |

Cabinet

- | | |
|------------|----------------------------------|
| Dimensions | 430 x 95 x 275 mm
(W x H x D) |
|------------|----------------------------------|

Package Contents

- DVD-Video Player
- Remote Control with batteries
- Power cable
- User Manual
- SCART cable
- Audio cable
- Video cable

General Functionality

- Stop / Play / Pause
- Fast Forward/Backward (3-speed)
- Step Forward
- Slow (3-speed)
- Title / Track Select
- Skip Next / Skip Previous
- Repeat (Chapter / Title / All) or (Track / All)
- A-B Repeat
- Shuffle
- Scan
- 3D Sound on/off

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)
- Resume (5 discs) after stop / standby
- Screen Saver (Dim 75% after 15 min.)
- Disc lockout

Video CD Functionality

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

Audio CD Functionality

- Time Display (Total / Track / Remaining Track Time)
- Full audio functionality with remote control
- Favorite Track Selection (FTS)

- 1 typical playing time for movie with 2 spoken languages and 3 subtitle languages.
- 2 Equivalent to 500 lines on your TV

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