# Philips DVD-Video Player

- *Progressive Scan Output (480p) with 3:2 Pulldown*
- *DCI Digital Motion Correction (DCDi)*
- *54Mhz 12 bit Video processor*
- *Digital Crystal Clear Video Adjustment for optimum video quality on any TV monitor*
- *Audiophile Grade Op-amp for Crystal Clear Sound*
- *Simultaneous 480p and 480i output via Dual YUV output*
- *6-channel Analog Output for 5.1 Dolby® Digital/DTS®*
- *DVD/Video CD/SVCD/Audio CD/CD-R and CD-RW playback*
- *Dual Discrete Laser optical pickup unit for optimum CD-R and CD-RW playback*
- *Enhanced Parental Control with Disc Lock (80 Disc)*
- *Multi-standard Video Compatibility ( NTSC & PAL )*
- *96kHz/24 bits Audio digital output*
- *Digital Zoom with Perfect Still*
- *TruSurround™ 3D Sound for analog output*
- *Video and Black Level Shift*
- *Digital Video/Block Noise Reduction*
- *Component (X2), Composite (X2), and S-Video outputs*
- *Audio/Video Bitrate Indicator*
- *Adjustable Audio Delay*

Preliminary

*Let's make things better.*

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# Philips DVD-Video Player

**DVD Q50**

## Technical Specification DVDQ50

### Playback System
DVD-Video
Video CD
CD (CD-R and CD-RW)
DVD+RW and DVD-R

### 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 | 12cm (8cm) |
| 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 |
|---|---|---|
| | 50Hz | 60Hz |
| Number of lines | 625 | 525 |
| Playback | Multistandard (PAL/NTSC) | |

### Video Format
| | | |
|---|---|---|
| D/A Converter | 54Mhz/12 bits | |
| 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 into75 Ohm |
| | C: 0.3Vpp into 75 Ohm |
| YUV output | Y: 1 Vpp into75 Ohm |
| | CrCb: 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, |
| | 16,20,24 bits |
| | fs, 44.1, 48, 96 kHz |

Analog Sound Stereo
Dolby® Pro Logic downmix from Dolby® Digital
(AC-3) multi-channel sound
Full decoding of Dolby® Digital and DTS multi-channel surround sound
3D Sound for virtual 5.1 channel sound on
2 speakers

### Audio Performance (Typical)
| | | |
|---|---|---|
| D/A 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) | 120 dB/116dB | |
| Dynamic Range (1kHz) | 100 dB | |
| Crosstalk (1kHz) | 110 dB | |
| Distortion/Noise (1kHz) | 92 dB | |

### Connections
| | |
|---|---|
| Y Output | Cinch (green) 2x |
| U (Cb) Output | Cinch (blue) 2x |
| V (Cr) Output | Cinch (red) 2x |
| S-Video Output | Mini DIN, 4-pins |
| Video Output | Cinch (yellow) 2x |
| Audio L+R output | Cinch (white/red) |

### 6 Channel Analog Output
| | |
|---|---|
| Audio Front Left/Right | Cinch (white/red) |
| Audio Surr. Left/Right | Cinch (white/red) |
| Audio Centre | Cinch (blue) |
| Audio Subwoofer | Cinch (black) |
| Digital Output | 1 coaxial, 1 optical |
| | IEC958 for CDDA/LPCM |
| | IEC1937 for MPEG1/2, |
| | AC-3, DTS |

### Power Supply
| | |
|---|---|
| Power Inlet | 100V-240V, 50/60Hz |
| Power usage | Approx. 20 Watt |
| Power usage standby | Less than. 3 Watt |

Energy Star compliant

### 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
Enhanced ease of use graphical interface
Perfect Still with digital multi-tap filter
Zoom (x1.33, x2, x4) with picture enhancement
3D sound
Smart Picture™
Digital Crystal Clear
Screen Saver (Dim 75% after 15 min.)
5.1 Channels user defined speaker settings
Virtual Jog Shuttle
Audio and video bit rate indicator
Beeper

### 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
Parental Control and 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

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

UPC: 0 37849 91054 2
Product Dimensions: 17.1" W x 2.9" H x 11.5" D
Product Weight: 6.6 lbs.
Carton Dimensions: 20.7" W x 6.6" H x 14.7" D
Carton Weight: 10.6 lbs.
Package Contents: DVD-Video Player, Remote Control
with batteries, AC Power cord, User Manual,
Audio/Video cable, S-Video cable

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