



OPPO BDP-93EU Blu-ray Disc Player

Blu-ray 3D – SACD – DVD-Audio – Network Streaming – Dual HDMI – eSATA – Wireless-N

Diversified Media Support:

- **Blu-ray Disc** - The high definition Blu-ray Disc™ format provides pristine video and audio quality for your home entertainment.
- **Blu-ray 3D** - Experience high definition in all new dimensions. The BDP-93EU supports the new Blu-ray 3D specifications (3D display and glasses required).
- **Streaming Ready** - Streaming services may be enabled in a later firmware revision.
- **BD-Live & BonusVIEW** - The BDP-93EU supports BD-Live™ (Profile 2.0) and contains all necessary hardware - audio/video decoder, Ethernet and wireless networking, and 1GB of internal storage - for BD-Live. It also supports BonusVIEW (Profile 1.1) enabling "picture-in-picture" and audio features for viewing director or actor commentary while the main movie is playing.
- **DVD-Audio** - The BDP-93EU plays DVD-Audio and supports both stereo and multi-channel high resolution audio programs. Users can select whether to play the DVD-Audio or the DVD-Video portion of the disc.
- **SACD** - The BDP-93EU plays Super Audio CD (SACD) and supports both stereo and multi-channel high resolution audio programs. Users can select whether to output the DSD (Direct Stream Digital) signal in its native format or convert it into PCM.
- **Additional Disc & Media Formats** - Additional disc and file formats, such as DVD, audio CD, HDCD, Kodak Picture CD, AVCHD, MP4, DivX, MKV, FLAC, WAV and other audio/video/picture files on recorded discs, USB or eSATA drives can be played back on the BDP-93EU.

Unparalleled Video Quality:

- **Qdeo by Marvell** - The BDP-93EU incorporates Marvell's Kyoto-G2 video processor with the second generation Qdeo™ technology. Qdeo video processing delivers a truly immersive viewing experience by rendering quiet natural video free of noise and artefacts for all types of content. For high-quality Blu-ray content, the BDP-93EU faithfully reproduces the program just as the director intended; for DVD, the up-converted picture quality bridges the visual gap from your current DVD library to Blu-ray discs; for network streaming and user-encoded content at a variety of formats and quality, the BDP-93EU offers enhancement options including video noise reduction, compression artefact reduction, intelligent colour, contrast, detail and edge enhancements.
- **DVD Up-Conversion** - Per-pixel motion-adaptive de-interlacing and advanced scaling transform the standard definition image on DVDs to high definition output to your TV. Additional Qdeo video processing options help to deliver a clearer, smoother, and true-to-life picture free of noise and artefacts.
- **Full HD 1080p Output** - The BDP-93EU features user selectable video output resolutions, including 480i, 480p, 720p, 1080i, and up to 1080p 50 or 60Hz.
- **True 24p™ Video** - Many Blu-ray Discs are recorded at 24 frames per second, the same frame rate as the original movie's theatrical release. The BDP-93EU can faithfully redeliver the original frames using 1080p 24Hz output (compatible display required) for smoother motion and a flicker-free, film-like home theatre experience.
- **Source Direct Mode** - For users who wish to use an external video processor, high-end audio/video receiver or display, the BDP-93EU offers a "Source Direct" mode. The original audio/video content on the discs is sent out with no additional processing or alteration.
- **Multiple Zoom Modes** - The BDP-93EU supports multiple levels of aspect ratio control and image zooming, including a vertical stretch mode for customers with a 2.35:1 CIH (Constant Image Height) display system. A unique subtitle shift feature allows the user to move the subtitle up and down, making it possible to see all subtitle text when using a 2.35:1 CIH display. (Blu-ray discs with BD-Java may prohibit zoom operation.)
- **Dual HDMI v1.4a Outputs** - Two assignable HDMI v1.4a outputs are provided to capitalize on the optimum audio and video settings to all old, new, and future HDMI televisions and receivers. With the option of full audio and video output to 2 displays; or dedicate one HDMI for audio, the other for video, it promotes a high quality video and audio for both signal paths. The BDP-93EU supports 3D and Deep Colour modes on both HDMI output ports.

High Fidelity Audio:

- **Dolby® TrueHD** - Dolby TrueHD delivers lossless studio master quality audio designed specifically for high definition entertainment. The BDP-93EU supports bit-stream output of Dolby TrueHD via its HDMI 1.4a output. It can also internally decode Dolby TrueHD into LPCM and output via HDMI or the 7.1ch analogue audio output terminals. (Dolby Digital and Dolby Digital Plus audio formats are also supported.)
- **DTS-HD Master Audio™** - DTS-HD Master Audio delivers an auditory experience that matches the lifelike images of high-definition video with up to 7.1 channels that are bit-for-bit identical to the studio master. The BDP-93EU supports bit-stream output of DTS-HD Master Audio. It can also internally decode DTS-HD Master Audio and output via HDMI or the 7.1ch analogue audio output terminals. (DTS-HD High Resolution Audio and DTS Digital Surround are also supported.)
- **7.1-Channel Analogue Output** - Individual analogue 7.1-channel surround outputs are ideal to connect to a 7.1-channel or 5.1-channel surround sound system. The BDP-93EU delivers an incredible sound stage and an immersive surround experience. For users with stereo speakers, the BDP-93EU offers a down-mix mode.
- **Digital Optical and Coaxial Outputs** - For simple and easy connection to more traditional A/V receivers, the BDP-93EU features both optical and coaxial outputs for digital audio.

Ultimate Convenience:

- **Dual HDMI Outputs** – The BDP-93EU is equipped with two HDMI output ports and offers the most versatile installation options. You do not have to upgrade your A/V receiver to a 3D model in order to enjoy 3D. One HDMI output of the BDP-93EU can be connected to a 3D TV and the other can be connected to a pre-3D HDMI v1.1-v1.3 A/V receiver. For projector users, you can connect one output to a projector for home theatre use and the other to a TV for casual viewing. For a multi-room installation the BDP-93EU can output audio and video to two 3D or 2D TVs simultaneously.
- **eSATA Port** – The BDP-93EU features an eSATA port on its back panel. Consumers can take advantage of this fast eSATA connection to play contents from their hard disks full of audio, video and photo files. Most commercially available hard disks pre-formatted with NTFS, FAT32 and FAT file systems are supported, and file sizes larger than 4GB can be played back on NTFS formatted drives.
- **Wireless & Ethernet** – Using the included wireless-N adapter or the built-in RJ45 Ethernet port, users will be able to interact with BD-Live content, watch instant streaming programs from providers to be announced, playback contents on their home network, and update firmware to keep up with new Blu-ray releases.
- **Dual USB Ports** - Two USB 2.0 high speed ports are provided, one on the front panel and one on the back. Users can enjoy high definition video, high resolution photos and music directly from their USB drives.
- **PAL/NTSC Conversion** - The BDP-93EU supports PAL and NTSC systems for both disc playback and video output. It can also convert content of one system for output in another. *(Subject to DVD and BD region restrictions.)*
- **Back-lit Remote Control** - The BDP-93EU comes with a fully back-lit remote control for ease of use in dark home theatres. With its ergonomic button layout and clear labelling, operating the Blu-ray Disc player is easier than ever.
- **Universal Power Supply** - The BDP-93EU features a wide-range world power supply that is compatible with AC power from all regions. No worries about damaging the player due to incorrect power voltage.
- **External IR** - For integration into home theatre control systems, the BDP-93EU provides external IR IN port to use with an IR distribution system.
- **RS232 Control** - For custom installation, the BDP-93EU offers an RS232 control port with a rich control and communication protocol. Installers can easily program their favourite control systems to operate the BDP-93EU.
- **HDMI CEC** - HDMI Consumer Electronics Control simplifies the home theatre by allowing a single remote control to operate multiple devices.



Rear panel of the OPPO BDP-93EU

BDP-93EU Specifications:

Design and specifications are subject to change without notice.

Disc Types*	BD-Video, Blu-ray 3D, DVD-Video, DVD-Audio, AVCHD, SACD, CD, HDCD, Kodak Picture CD, CD-R/RW, DVD±R/RW, DVD±R DL, BD-R/RE
BD Profile	BD-ROM Version 2.4 Profile 5 for 3D (also compatible with Profile 2, Profile 1 Version 1.0 and 1.1)
Internal Storage	2GB (Approximately 1GB available for BD-Live persistent storage. Actual storage varies due to system usage)
Output	Analogue Audio: 7.1ch, 5.1ch, or stereo Digital Audio: Coaxial, Optical HDMI Audio: Stereo, up to 7.1ch high-resolution PCM, up to 5.1ch DSD, bitstream or LPCM conversion of Dolby Digital, Dolby Digital Plus, Dolby TrueHD, DTS, DTS-HD High Resolution Audio, and DTS-HD Master Audio. Analogue Video: Composite, Component Video (Y/Pb/Pr, 480i/480p, 720p/1080i available for non-restricted content only) Digital Video: HDMI with HDCP (PAL576i/576p/720p/1080i/1080p/1080p24 NTSC: 480i/480p/720p/1080i/1080p/1080p24)
Video Characteristics	Composite Video Amplitude: 1.0Vp-p (75Ω) Component Video: Y: 1.0Vp-p (75Ω), Pb/Pr: 0.7Vp-p (75Ω)
Audio Characteristics**	Frequency: 20Hz - 20kHz (±0.3dB), 20Hz - 96kHz (±2.0dB) Signal-to-Noise Ratio: >110dB (A-weighted) THD+N: < 0.002% (1kHz at 0dBFS, 20kHz LPF)
General Specification	Power Supply: ~ 100V - 240V, 50/60Hz AC Power Consumption: 35W (0.5W Standby) Dimensions: w430mm x d311mm x h79mm Mass: 4.9kg
Operating Temperature	5°C - 35°C
Operating Humidity	15% - 75% No condensation

* Compatibility with user-encoded contents or user-created discs is on a best-effort basis with no guarantee due to the variation of media, software and techniques used.

**Nominal specification.

