Special Features of the UDP-205
BEST-IN-CLASS AUDIO PERFORMANCE

- **Dual SABRE PRO DACs**

OPPO UDP-205 is equipped with two ESS Technology ES9038PRO DACs for both stereo and 7.1 channel analog audio. The ES9038PRO is the flagship of the ESS PRO series. It sets a new benchmark for audio excellence with its best-in-class 140 dB of dynamic range in a 32-bit, 8-channel DAC. The ES9038PRO SABRE DAC features ESS' patented 32-bit HyperStreamDAC technology, which is responsible for the outstanding clarity and sound stage.

- **USB DAC and Coaxial/Optical Inputs**

An asynchronous USB DAC input supports sample rates up to 768 kHz PCM and DSD 512. For additional convenience and flexibility, the UDP-205 can convert digital signals from cable and satellite boxes, televisions, video game consoles and other digital transports with coaxial and optical digital outputs to analog. By bypassing the low fidelity, poor quality DAC of traditional computer soundcards, the UDP-205 turns any computer into a high performing multi-media source by utilizing the ES9038PRO DAC.

- **HDMI Audio Jitter Reduction**

The UDP-205 features a high-stability, high-precision HDMI clock and a special HDMI audio jitter reduction circuit. This unique design significantly reduces jitter and eliminates timing errors, allowing you to enjoy your music with increased accuracy when you use the audio-only HDMI output port for connecting the audio signal. PCM and DSD signals rely on the HDMI clock directly, so the HDMI audio jitter reduction circuitry can improve the sound quality of PCM and DSD audio. For compressed bitstream audio, it helps to ensure error-free transmission, and may improve the audio performance depending on whether the audio decoder in the A/V processor or receiver uses a synchronous or asynchronous clock scheme.

- **7.1-Channel Analog Output**

Individual analog 7.1-channel surround outputs are ideal for connecting to a 7.1-channel or 5.1-channel

surround sound system. The UDP-205 delivers an incredible sound stage and an immersive surround experience thanks to its second ES9038PRO DAC chip. The 7.1-channel analog output can also be configured to a stereo down-mix mode as a Zone 2 audio source.

- **Dedicated Stereo Output**

  In addition to the 7.1-channel surround audio output, the UDP-205 has a stereo audio output powered by a dedicated ES9038PRO DAC chip and specially designed buffer and driver stages. The stereo output offers both XLR balanced and RCA single-ended connectors. The balanced output features a true differential signal path all the way from the DAC to the 3-pin XLR connector. By transmitting a pair of differential signals, the balanced output provides better common-mode noise rejection and improves signal quality.

- **Headphone Amplifier**

  For a more intimate listening experience, headphones can be connected directly to the UDP-205's built-in headphone amplifier. The headphone amplifier is connected directly to the ESS SABRE PRO DAC and offers a unique performance advantage over standalone headphone amplifiers. Compared to the built-in headphone amplifier in our previous generation BDP-105/105D players, the new design offers more power and higher performance.

ROCK-SOLID BUILD QUALITY

- **Toroidal Power Supply**

  A toroidal power transformer offers superior power efficiency and much lower exterior magnetic fields over traditional laminated steel core transformers. The UDP-205 has separate power supplies for digital and analog circuitry to eliminate virtually all harmful interference. The analog audio circuitry is powered by a massive toroidal power transformer, which provides a very clean and robust power source to the audio components.

- **Reinforced Chassis Structure**

  The UDP-205 features a brushed aluminum front panel and a metal chassis that continues the tradition of excellent workmanship found in previous generations of OPPO universal players. Four heavy-guage machined feet provide a stable foundation for the UDP-205, and isolate it from outside vibration. A new double-layered chassis further enhances the rigidness and vibration-canceling capabilities. The high quality metal construction is designed to impress and to perform.

- **Fanless Passive Cooling**

  The internal layout and chassis design promote healthy air flow so critical components can be naturally cooled. Strategically placed heatsinks and ventilation grilles allow the UDP-205 run both cool and quiet

without the need for internal or external fans. The thermal design has been optimized, analyzed, and stress-tested to ensure reliable operation for years to come.

Common Features of the UDP-205 and UDP-203
ULTRA HD RESOLUTION AND HIGH DYNAMIC RANGE

- **4K Ultra HD Video**

The UDP-205 supports the playback of 4K Ultra HD Blu-ray Discs. Packing a resolution of up to 3840 x 2160 pixels, UHD Blu-ray delivers four times the pixels of Full HD Blu-ray. The UDP-205 is also capable of playing 4K media files and user generated content. Support for decoding the HEVC, H.264, VP9 4K, and Hi10P video codecs provides increased compatibility with user generated media.

- **High Dynamic Range**

The UDP-205 supports High Dynamic Range (HDR) and Wide Color Gamut. The enhanced resolution, refined contrast, greater brightness, and expanded color produce stunning video with unparalleled clarity and detail. In addition to supporting the HDR10 format on discs and video files, it is also capable of providing an accurate conversion of HDR to SDR for older displays, as well as conversion between various color spaces such as BT.2020, BT.709, and BT.601.

- **Dolby Vision Upgradeable**

Leveraging hardware designed to support Dolby Vision, customers can expect a firmware update in 2017 that brings Dolby Vision support to the player. Dolby Vision transforms the TV viewing experience by delivering striking highlights, brilliant colors, and deep darks never before seen on standard television screens, and OPPO is committed to bringing this exciting technology to the UDP-205.

EXPERTISE AND QUALITY

- **Reference Quality Video**

The UDP-205 combines the latest technology with OPPO's many years of experience in delivering high quality video and audio. A customized quad-core video decoder/processor integrates OPPO's advanced video decoding, processing and optimization expertise.

- **High Precision Disc Loader**

A high-precision, well-balanced laser optical disc loader ensures smooth and reliable playback of all types of disc media. An optimized laser mechanism provides super fast disc loading and strong error detection & correction.

- **Exceptional Build Quality**

  With its a brushed aluminum front panel, a rigid steel chassis and gold plated connectors, the UDP-205 exemplifies OPPO's attention to quality and details. The solid build quality not only presents a sleek aesthetic, but also ensures dependable operation and reliable connection.

UNIVERSAL DISC AND FILE PLAYBACK

- **Multiple Disc Formats**

  The design of the UDP-205 focuses on quality playback and universal compatibility with multiple disc and file formats. In addition to the latest UHD Blu-ray, the UDP-205 supports regular Blu-ray, Blu-ray 3D, DVD, DVD-Audio, SACD, and audio CD.

- **Media File Playback**

  The UDP-205 is equipped with two USB 3.0 ports on the back and another USB port on the front. Users can play video, music and photos from USB hard drives or thumb drives.

- **Home Network Access**

  Built-in 802.11ac Wi-Fi or Gigabit Ethernet connects the UDP-205 to users' home networks, so users can easily play media files stored on computers and home servers.

HIGH RESOLUTION AUDIO

- **Lossless Audio Decoding**

  The UDP-205's video performance and universal compatibility is further complemented by its support of lossless high resolution audio. The player decodes audio file formats such as AIFF, WAV, ALAC, APE and FLAC. It also directly plays Direct-Stream Digital (DSD) audio files in stereo or multi-channel.

- **Advanced Audio Formats**

  With internal decoding of Dolby TrueHD and DTS-HD Master Audio, and bitstream output for object-based immersive audio formats such as Dolby Atmos and DTS:X, the UDP-205 delivers great sound for both movie soundtracks and music.

- **High Performance Parts**

  The UDP-205 is designed and built with high quality components that are intended for reaching the level of performance in both audio and video. Everything from the semiconductor chips to resistors and capacitors are carefully selected and sourced, so every player coming off the production line can meet and exceed OPPO's high specifications.

- **Dual HDMI Outputs**

  The player features two HDMI outputs – an HDMI 2.0 port for connecting to the latest UHD TVs, projectors and A/V receivers, and an HDMI 1.4 audio port for connecting to older A/V receivers. Customers with newer 4K- and HDR-capable A/V receivers can use a full HDMI 2.0 signal path, while customers with older A/V receivers can have a split A/V setup.

- **HDMI 2.0 Input**

  An HDMI 2.0 input port that supports UHD resolution is available for users to connect an external streaming device. This approach affords users the flexibility to choose from a wide range of streaming devices and easily upgrade as streaming technologies evolve, while still taking advantage of the UDP-205's audio and video processing capabilities.

- **Easy Integration**

  Integration-friendly features such as RS-232 control, back panel IR sensor and third-party IP control make the UDP-205 a great choice for any home theater system. Coaxial and optical digital audio outputs provides backward compatibility with legacy audio components.

SPECIFICATIONS

Disc Types*	4K UHD Blu-ray, Blu-ray, Blu-ray 3D, DVD-Video, DVD-Audio, AVCHD, SACD, CD, Kodak Picture CD, CD-R/RW, DVD±R/RW, DVD±R DL, BD-R/RE
BD Profile	BD-ROM Version 3.1 Profile 6 (also compatible with BD-ROM Version 2.5 Profile 5)
Output	Analog Audio: 7.1ch, 5.1ch, stereo. Dedicated Stereo Analog Audio: XLR balanced, RCA single-ended. Coaxial/Optical Audio: up to 2ch/192kHz PCM, Dolby Digital, DTS. HDMI Audio: up to 7.1ch/192kHz PCM, up to 5.1ch DSD, Bitstream. HDMI Video: UHD/1080p24/1080p/1080i/720p/576p/576i/480p/480i, 3D frame-packing 720p/1080p24.
Input	HDMI Audio: up to 7.1ch/192kHz PCM, up to 5.1ch DSD, Bitstream. HDMI Video: UHD/1080p24/1080p/1080i/720p/576p/576i/480p/480i, 3D frame-packing 720p/1080p24. USB Audio: up to 2ch/768kHz PCM, up to 2ch/2.8224MHz/5.6448MHz/11.2896MHz DSD. Coaxial/Optical Audio: up to 2ch/192kHz PCM, Dolby Digital, DTS, AAC.
Audio Characteristics** (Stereo Audio Output)	Frequency Response: 20Hz – 160kHz (-3dB ˜ +0.05dB) Signal-to-Noise Ratio: > 120dBr THD+N: < 0.00018%

	Output Level: (RCA) 2.1±0.2Vrms. (XLR) 4.2±0.4Vrms Dynamic Range: > 120dB Crosstalk: > 118dB[1]
Analogue Audio Characteristics** (Multi-channel Audio Output)	Frequency Response: 20Hz – 160kHz (-3dB ˜ +0.05dB) Signal-to-Noise Ratio: > 120dBr THD+N: < 0.00031% Output Level: 2.1±0.2Vrms Dynamic Range: > 120dB Crosstalk: > 118dB
Headphone Audio Characteristics**	Frequency Response: 20Hz – 80kHz (-2dB ˜ +0.05dB) into 32ohm Signal-to-Noise Ratio: > 105dBr into 32ohm THD+N: < 0.01% into 32ohm and 50mW Maximum Output Power: 590mW into 32ohm Dynamic Range: > 115dB into 32ohm Output Impedance: < 0.1ohm
General Specification	Power Supply: 110V – 120V ˜ / 220V – 240V ˜, 50/60Hz Power Consumption: 65W (Standby: 0.5W in Energy Efficient Mode) Dimensions: 16.8 x 12.2 x 4.8 inches (430mm x 311mm x 123mm) Mass: 22lbs (10kg)
Operating Temperature	41°F - 95°F, 5°C - 35°C
Operating Humidity	15% - 75%, no condensation
Included Accessories	User Manual Power Cord Certified Premium High Speed 6 Ft HDMI Cable Remote Control with Size AA Batteries

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* 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.

[1] Cinedream – We know Home Cinema – www.cinedream.be