

oppo

# OPPO UDP-203/UDP-205

Award-winning universal players reach a new level of clarity



## About OPPO Digital

Started from and still based out of Silicon Valley, California, OPPO Digital is a company focused on creating high quality consumer electronics that deliver style, performance, innovation, and value to audiophiles, home theater enthusiasts, and savvy customers alike. With many years of experience in delivering high quality video and audio, OPPO Digital has attained great achievements and reputation among the audiophiles since 2004.

The OPPO UDP-203 and UDP-205 4K Ultra HD Blu-ray disc players provide extraordinary A/V experience to home theater enthusiasts. With unparalleled video quality and high fidelity audio performance, customers will have years of enjoyment from these expertly designed and solidly built players.

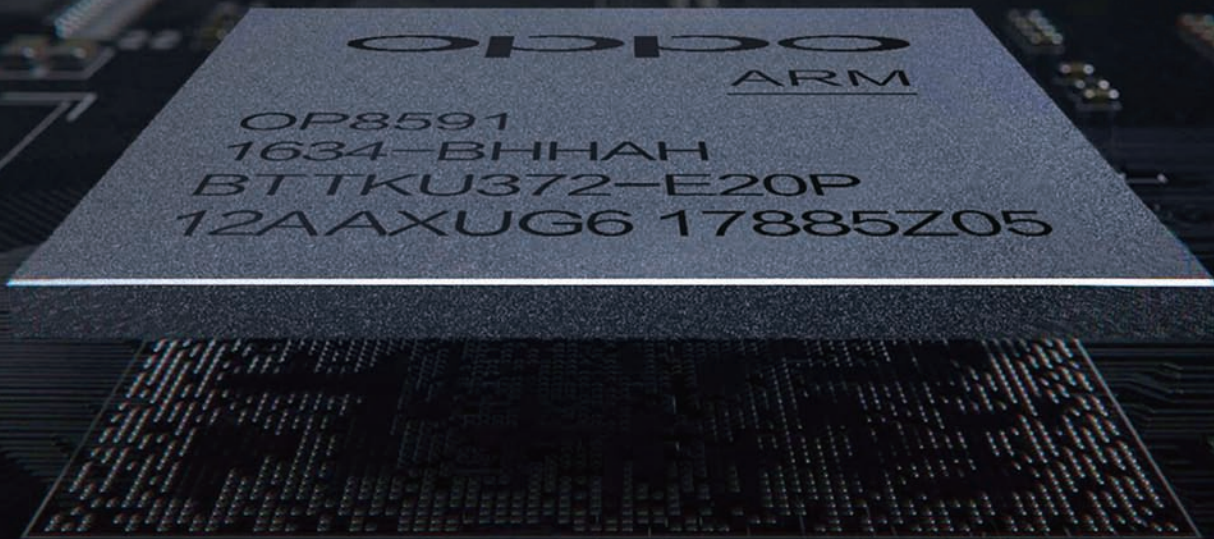




# 1. Unparalleled Video Quality

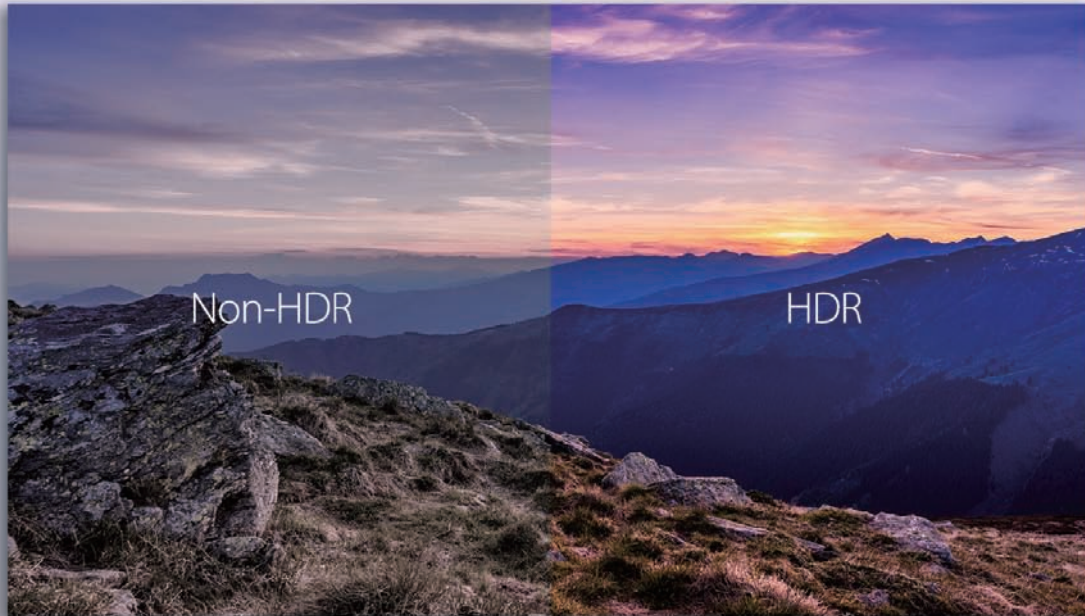
## Advanced Image Processing Technology

With over a decade of experience developing high-end DVD and Blu-ray players, OPPO has once again teamed with MediaTek to produce and manufacture a specialized 4K UHD Blu-ray decoder SoC - the quad-core OP8591, which offers the most advanced image decoding and processing technology available for 4K UHD Blu-ray, Blu-ray, DVD and user generated media formats.



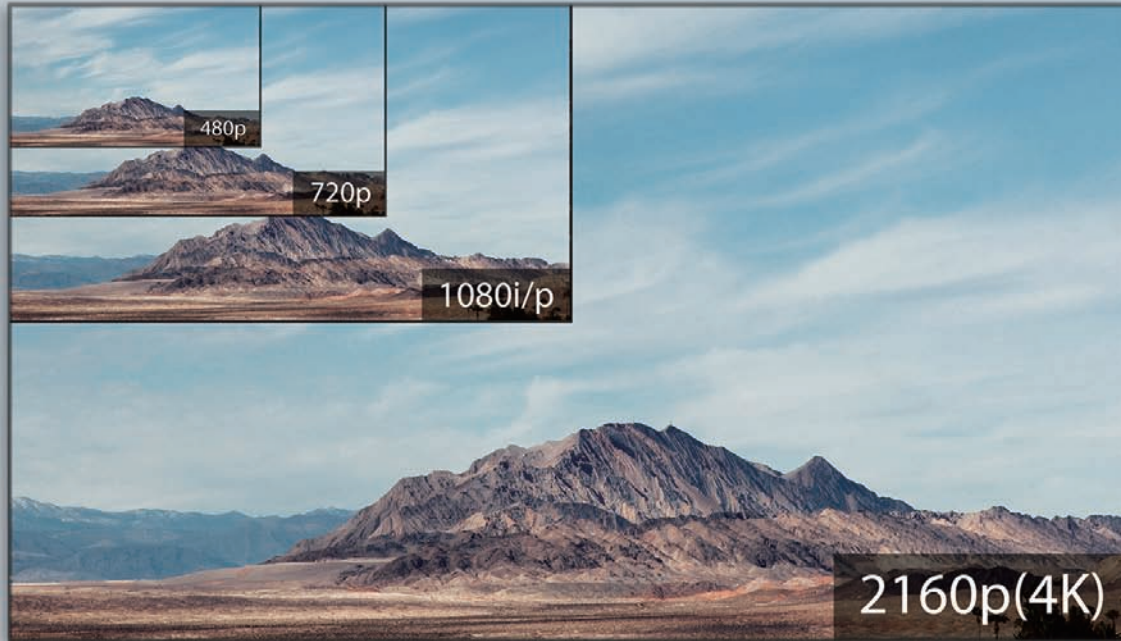
## HDR and HDR to SDR Conversion

One of the more exciting elements of the new 4K UHD format is the inclusion of high-dynamic range (HDR) video and an expanded color range, allowing for more natural and true-to-life colors. The UDP-203/UDP-205 supports the HDR10 format, and it is also capable of providing an accurate conversion from HDR to SDR for older displays. Support for Dolby Vision will be available in the future via a firmware upgrade.



## 4K UHD Blu-ray and Media Playback

The UDP-203/UDP-205 is capable of playing the new 4K UHD Blu-ray discs as well as 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.





## Supports up to 4k@60 resolution with native 4:4:4 Color Space

The UDP-203/UDP-205 features support for all current SD, HD, and UHD resolutions, including 4K@60p, 4K@50p, 4K@30p, and 4K@24p using various color spaces such as PC RGB, Video RGB, YCbCr 4:4:4, 4:2:2, and 4:2:0.

## Advanced Picture Control

The UDP-203/UDP-205 also features advanced picture controls. Adjustments can be made to brightness, contrast, hue, saturation, and sharpness.

## Upscaling to Ultra HD (4K) Resolution

The UDP-203/UDP-205 is capable of upscaling lower resolution content up to 4Kx2K at 50/60Hz to a compatible display, which is four times the resolution found on a 1080p Blu-ray disc.

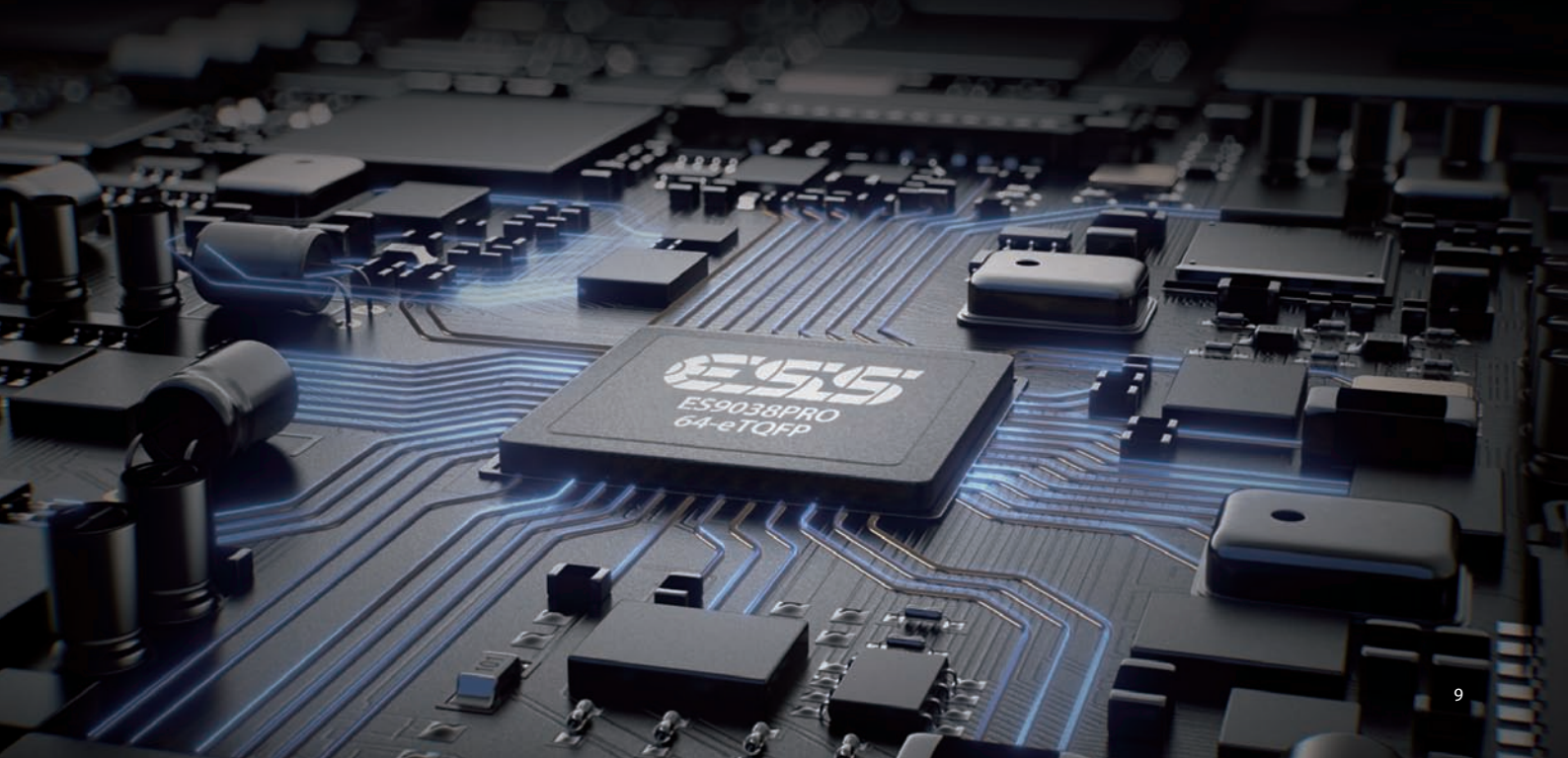


## **2. High Fidelity Audio Performance**

## Advanced Audio Processing

With more and more music coming from digital sources, the DAC is one of the most important components for digital audio playback. The OPPO UDP-203 features a premium 32-bit DAC from AKM, the AK4458VN, which is an 8-channel DAC with support for formats such as 192 kHz/32-bit PCM and multichannel DSD.

OPPO UDP-205 is equipped with two ESS Technology ES9038PRO 32-bit HyperStream DACs for both Stereo and 7.1 Channel analog audio. As the flagship of the ESS SABRE PRO series, the ES9038PRO sets a new benchmark for audio excellence with its best in class 140 dB of dynamic range.







## Lossless High-resolution Audio

Audio format support has been expanded to multi-channel DSD64/128, as well as 192kHz/24-bit PCM used in high-resolution lossless formats such as AIFF, ALAC, APE, FLAC and WAV.

## Toroidal Power Supply - Clean Power for Clear Music

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 offers superior efficiency and significantly lower exterior magnetic field interference compared to traditional laminated steel core transformers. The toroidal linear power supply provides a very clean and robust power source to the audio components.







## Support for the Latest Surround Formats

In addition to supporting the Dolby TrueHD and DTS-HD Master Audio surround formats, the UDP-203/UDP-205 supports bitstreaming the latest object-based surround formats, Dolby Atmos and DTS:X.



## 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.



## High Performance Parts

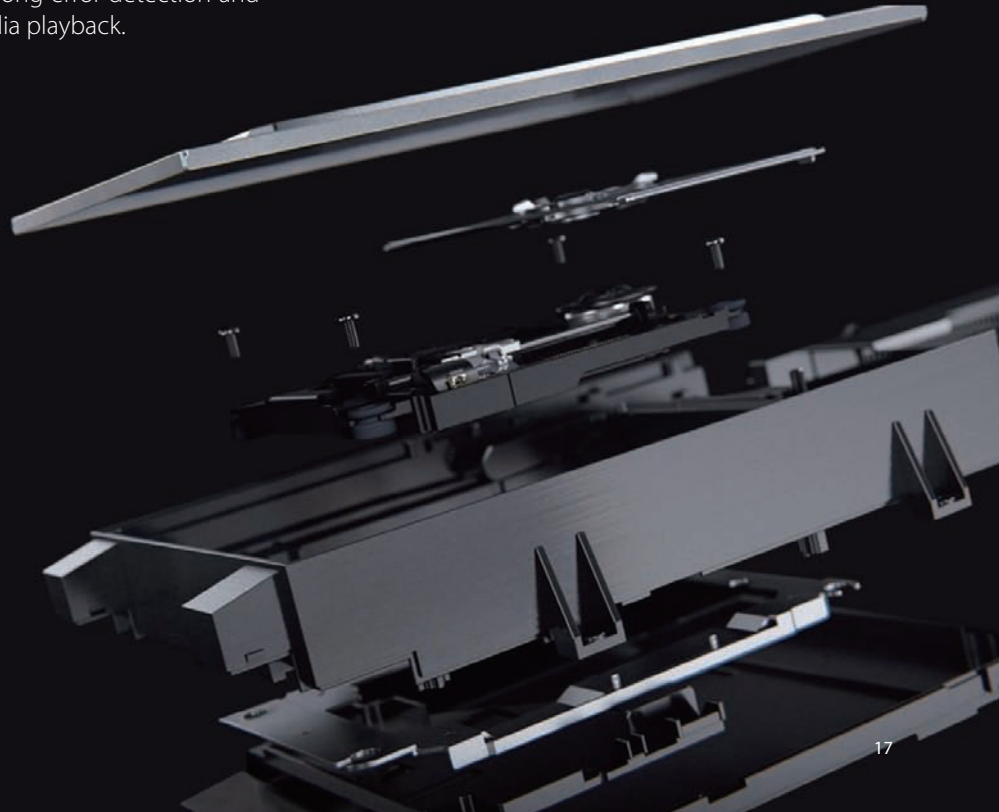
The UDP-203 and UDP-205 are designed and built with high quality components that are intended for reaching the level of performance in both audio and video. Everything from the semiconductor chips to resistors and capacitors are carefully selected and sourced, so every player coming off the production line can meet and exceed OPPO's high specifications.



### **3. Exceptional Build Quality**

## High Precision Disc Loader

The UDP-203/UDP-205's disc loader features an optimized laser mechanism that delivers super fast disc loading, compatibility with a wide range of optical media, and strong error detection and correction to ensure error free physical media playback.





## High Quality Metal Construction

The UDP-203/UDP-205 features a brushed aluminum front panel and metal chassis that continues the tradition of excellent workmanship found in previous generations of OPPO universal players. The UDP-205's double-layered chassis further enhances the stability and vibration-canceling capabilities.

## Gold Plated Connectors

Gold plated connectors provide a reliable connection and resistance to oxidation and corrosion, ensuring that the connectors can withstand years of use.

## **4. Versatile Connectivity**

## Dual HDMI outputs (HDMI 2.0 and HDMI 1.4)

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

The HDMI 2.0 input on the rear of the player allow for the connection of native 4K content from external sources such as a streaming set-top box, cable/satellite boxes, game consoles, computers and even other Blu-ray and UHD players.

## Integration-friendly for home theater systems

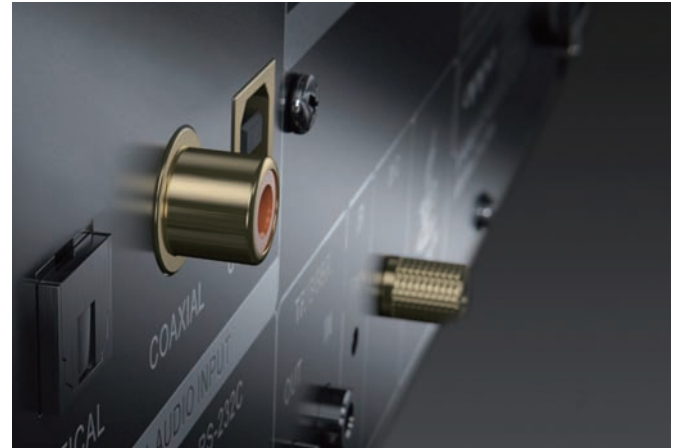
The UDP-203/UDP-205 is easy to integrate into any system due to its ability to receive standard IR,RS-232, OPPO produced MediaControl smart device application, third party IP Control system, and HDMI CEC commands. The player also supports Trigger In and Out, so it can automatically turn on and off other devices connected to it for the ultimate convenience.





## Asynchronous USB DAC and Coaxial/Optical Inputs (UDP-205 Only)

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.



## Dedicated Stereo Output with XLR Balanced Connectors (UDP-205 Only)

The stereo output offers both XLR balanced and RCA single-ended connectors. By transmitting a pair of differential signals, the balanced output provides better common-mode noise rejection and improves signal quality.

- Two USB 3.0 ports
- 7.1-Channel Analog Output
- Built-in Headphone Amplifier (UDP-205 only)
- Built-in 802.11ac Wi-Fi (both 2.4 GHz and 5.0 GHz bands)
- Gigabit Ethernet



## **5. Premium User Experience**



## Diversified Media Support

The UDP-203/UDP-205 is able to play all standard optical disc formats, such as 4K UHD Blu-ray, Blu-ray, Blu-ray 3D, DVD, DVD-Audio, SACD, and CD. It also supports connected USB hard disks and thumb drives, and has the ability to access content from DLNA servers and SMB shares over the local network.

## High Resolution User Interface

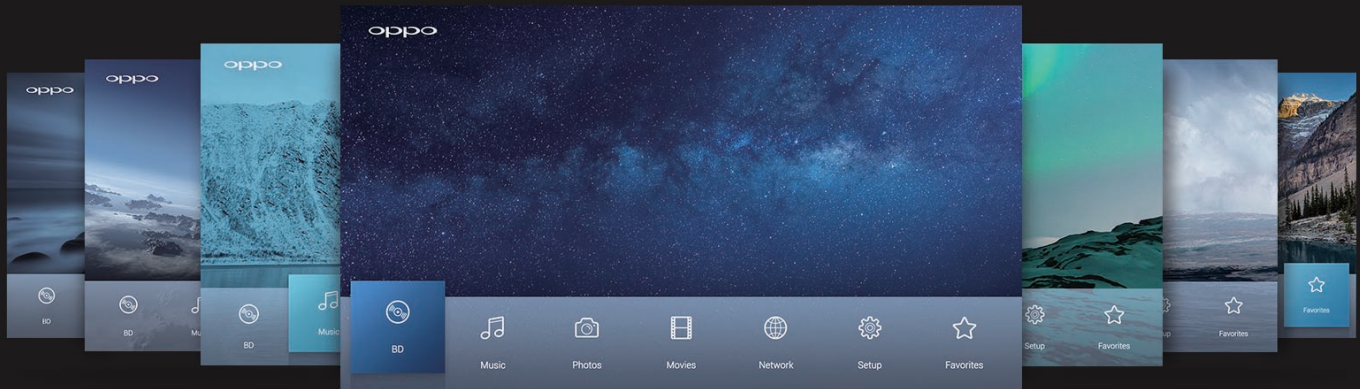
The newly updated, high-resolution user interface has been designed to be incredibly convenient to navigate, and provides an easy way to manage and access media files from both local and network storage.

## Firmware updatable

We maintain a strong heritage of responding to our customer's feature requests and quickly resolving technical issues, and the UDP-203/UDP-205's ability to have its firmware easily upgraded means that we can keep the player on the cutting edge and running at its best.

## Quick start-up

Fast bootup ensures that the player can be used as soon as possible, eliminating any slow-down in the enjoyment of audio and video content.



## UDP-203 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. 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.
Audio Characteristics	Frequency: 20Hz – 48kHz (±0.2dB), 20Hz – 96kHz (-4dB ~ +0.05dB) Signal-to-Noise Ratio: >112dB (A-weighted, Unmuted) THD+N: < 0.001% (1kHz at 0dBFS, 20kHz LPF) Crosstalk: < -103dB (A-weighted)
General Specifications	Power Supply: 100V – 240V, 50/60Hz AC Power Consumption: 40W (Standby: 0.5W in Energy Efficient Mode) Dimensions: 16.9 x 12.2 x 3.1 inches (430mm x 311mm x 79mm) Mass: 9.5lbs (4.3kg)
Operating Temperature	41°F - 95°F 5°C - 35°C
Operating Humidity	15% - 75% No condensation

## UDP-205 Specifications



Disc Types	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 1080p24/720p.
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 1080p24/720p. USB Audio: up to 2ch/768kHz PCM, up to 2ch/2.8224MHz/5.6448MHz/11.2896MHz/22.5792 MHz (native mode only) DSD. Coaxial/Optical Audio: up to 2ch/192kHz PCM, Dolby Digital, DTS, AAC.
Analogue Audio Characteristics** (Stereo Audio Output)	Frequency Response: 20Hz – 160kHz (-3dB ~ +0.05dB) Signal-to-Noise Ratio: > 120dB THD+N: < 0.00018% Output Level: (RCA) 2.1±0.2Vrms. (XLR) 4.2±0.4Vrms Dynamic Range: > 120dB Crosstalk: > 118dB
Analogue Audio Characteristics** (Multi-channel Audio Output)	Frequency Response: 20Hz – 160kHz (-3dB ~ +0.05dB) Signal-to-Noise Ratio: > 120dB 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: > 105dB 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 AC 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

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