



# UDP800

## MK II

Product Specification



## UDP800MKII Upgrades from Gen One

- Proprietary Next Gen Magnetar Intelligent Video Processing
- Upgraded copper-core wiring and JST/Amphenol connectors
- TMD5 retiming on HDMI Audio port for HDMI jitter reduction
  - Optimized USB 3.0 hub with redesigned power supply
  - Redesigned optical drive for reduced noise
- Improved networking via DLNA, SMB, NFS protocols

## Advanced Image/Audio Processing Technology

UDP800 MKII is powered by a quad-core MediaTek MT8581 processor, 12Gb Samsung DDR memory and 4Gb NAND flash, ensuring smooth operation. It adopts a 6-layer PCB design, while using high-precision LDO regulators, Murata MLCC capacitors and NCC electrolytic capacitors. High-quality copper-core wires are used throughout the device. The in-machine PCB connectors have been upgraded to JST and Amphenol, enhancing the stability and reliability of the connections.

 MAGNETAR

# UDP800 MK II

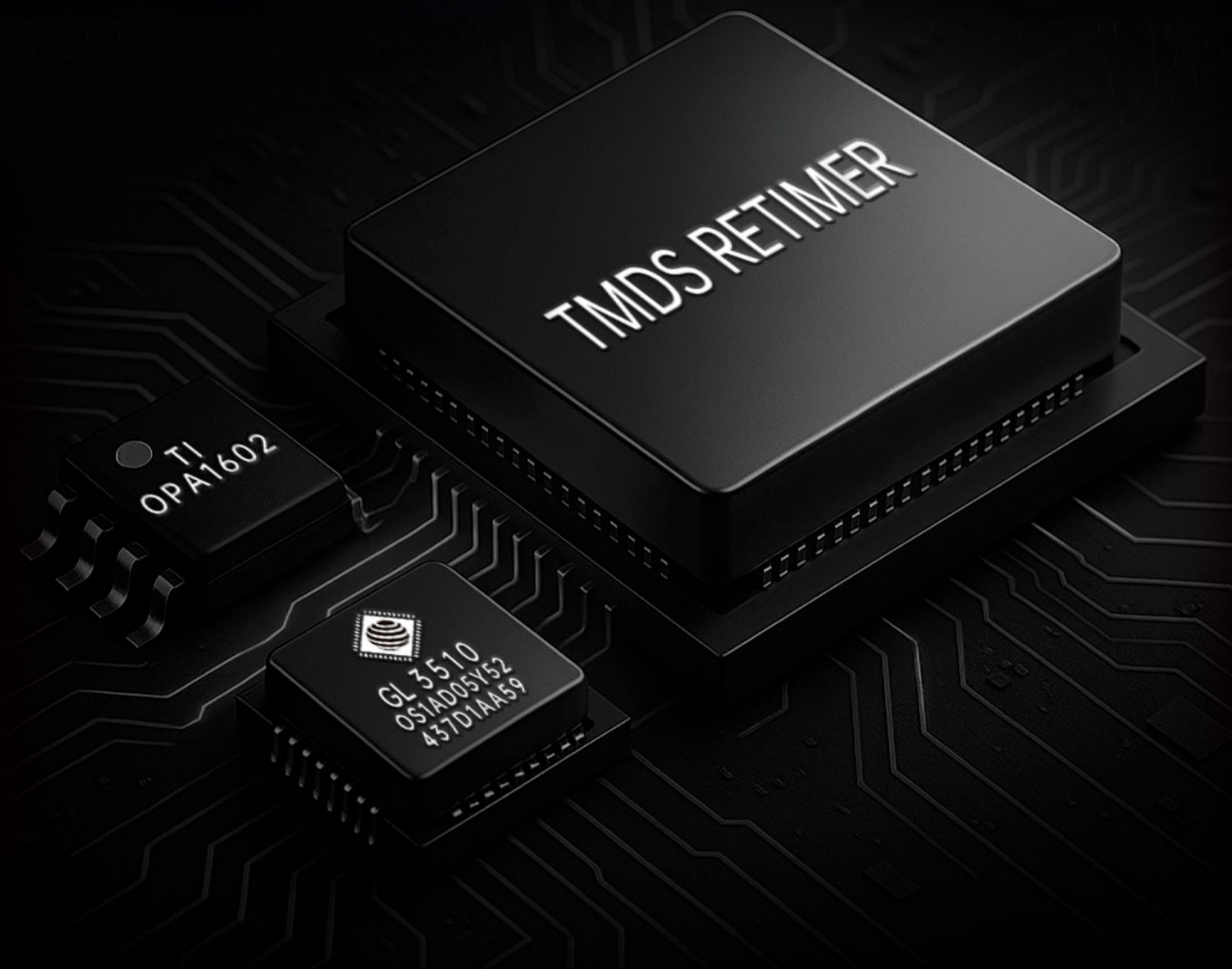
Reference Level Universal Disc/Media Player



## Stunning Audio-Visual Quality

UDP800 MKII supports Dolby Vision and HDR 10+, presenting breathtakingly vivid and realistic UHD movies. Regarding audio, it supports Dolby Atmos and DTS-X. With a dedicated HDMI audio output to achieve audio and video separation. For pure audio playback, UDP800 MKII specifically adopts a 4-layer PCB with independent channel wiring, equipped with two Burr-Brown PCM1795 DACs and seven OPA1602s, creating audiophile-grade sound.

The Added TMDS retiming function on the main board's HDMI AUDIO port effectively compensates for random jitter, provides better signal quality and load-carrying capacity, and further improves the HDMI audio quality, making the sound details richer.



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Featuring a high-rigidity metal body and double-layer chassis, the UDP800 MKII has its internal components shielded by metal casings. This effectively reduces interference from vibration, noise and external magnetic fields, delivering pure and high-resolution audio-visual performance.

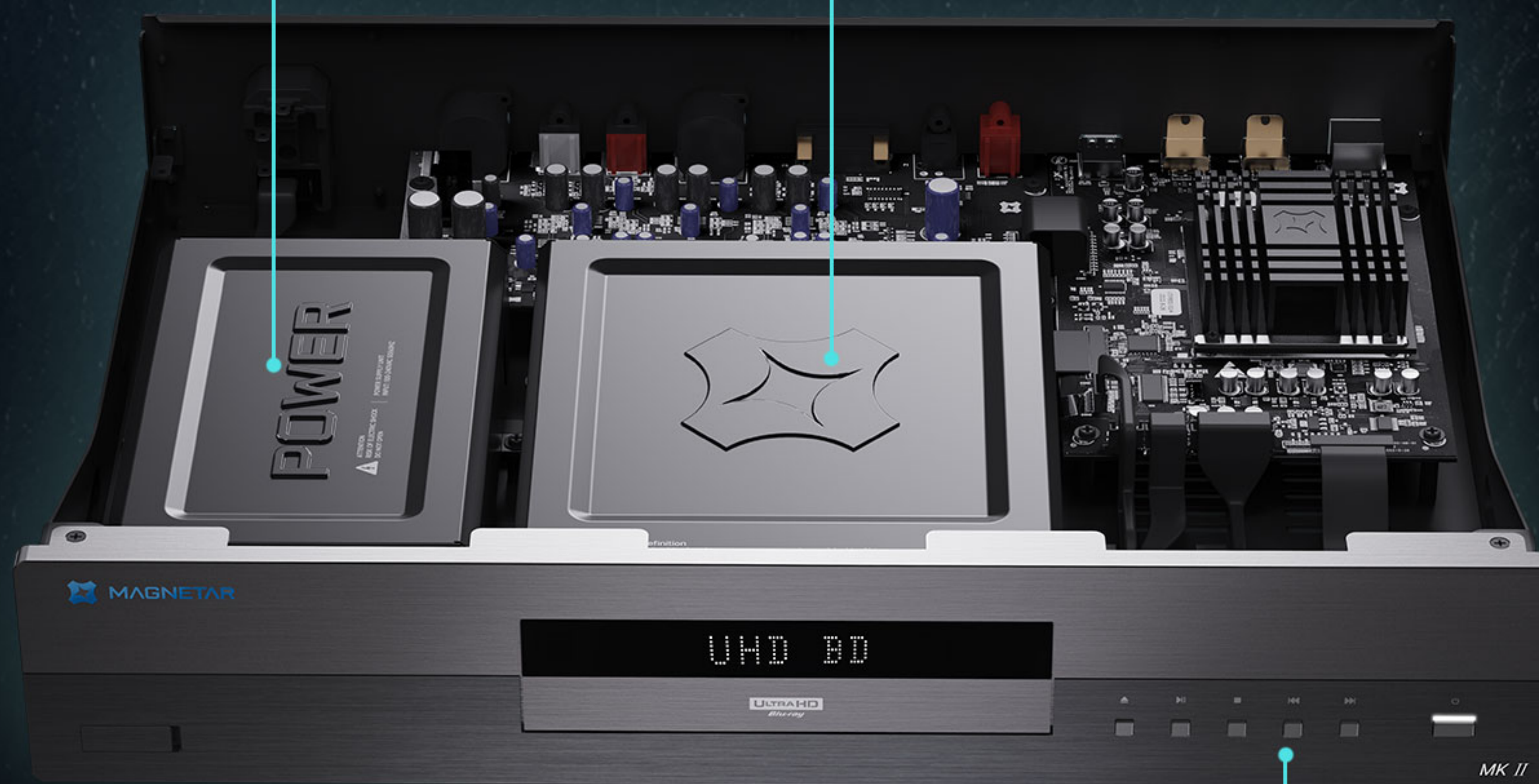


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# Solid and Stable Build

Double layer chassis structure

Independently shielded by metal casing



Solid high-rigidity metal body

## Versatile Compatibility

UDP800 MKII is fully compatible with a wide range of disc formats, including 4K UHD BD, BD, BD-R, BD-RE, DVD-R/RW, DVD+R/RW, DVD-Video, DVD-Audio, AVCHD, SACD, CD, CD-R/RW.

Its optimized USB 3.0 port, which has an added HUB chip and a redesigned power supply, better adapt to various devices, supporting up to 16TB hard drive. UDP800 MKII can also share media files in various formats via DLNA, SMB, and NFS.



## Reliable Power Source

UDP800 MKII is equipped with a custom 60W high-power low-noise transformer with a two-stage filter and Japanese Rubycon electrolytic capacitors. A separate metal case dampens noise providing stability and quietness, further enhancing its overall performance.



# Technical Features

UDP800 MKII | Reference Level Universal Disc/Media Player



## Technical Features:

- 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
- M2TS, MP4, MKV, MOV, AVI, TP, TRP, TS, 3GP, ASF, OMG, WMV
- H264/AVC, H265/HEVC, MPEG-1/2/4, VC-1, VP-8, VP-9, FLAC, M4A, MP3, OGG, AIF/AIFF, APE, DSF, AAC, ALAC
- JPG, TIFF

## Analog Audio Characteristics

Frequency Range: 20Hz-20kHz ( $\pm 0.05$ dB)  
Signal-to-Noise Ratio:  $\geq 120$ dB  
Total Harmonic Distortion Plus Noise:  $\geq 0.01\%$   
Output Level: (RCA)  $2.1 \pm 0.2$ Vrms; (XLR)  $4.2 \pm 0.4$ Vrms  
Dynamic Range:  $\geq 120$ dB  
Channel Separation:  $> 100$ dB (RCA);  $> 120$ dB (XLR)

## Output:

Analog Audio Output: 2-channel RCA and Balanced XLR  
Digital Audio Output: Optical, Coaxial, HDMI  
HDMI Audio Output: Support up to 7.1 channel 192kHz PCM, 5.1 Channel DSD  
HDMI Video Output: UHD 23.976/25/30/50/59.94/60Hz, 1080I/P, 720P, 576I/P, 480I/P, source direct

## General Specification

Power Supply: AC 100-240V ~, 50/60Hz  
Power Consumption:  $< 30$ W, Standby  $< 0.5$ W  
Operating Temperatures:  $5^{\circ}\text{C} \sim 35^{\circ}\text{C}$  ( $41^{\circ}\text{F} \sim 95^{\circ}\text{F}$ )  
Operating Humidity: 15% ~ 75%  
Unit Dimensions: 430 X 300 x 90 mm  
Unit Weight: 6.8kg  
Unit Packing Dimensions: 516 x 391 x 203mm  
Unit Packing GW: 9.6kg