

INTEGRATED SURROUND AMPLIFIED PROCESSOR

RAP-1580



HDMI

8 HDMI 2.0a inputs
capable of 4K/UHD video
passthrough



10 channel Parametric
EQ for optimizing room
acoustics



6 x Wolfson premium
24-bit/192kHz Digital
to Analog Converters



Decodes
DTS:X



Bluetooth
with aptX

HDCP2.2

3 HDMI inputs and both
HDMI outputs support
HDCP 2.2



7 x 100W class AB
amplification



Supports Dolby Atmos
7.1.4 processing



PC-USB input
supporting 24-bit
192kHz audio



Moving Magnet
Phono Input

RAP-1580 is the ideal home theater solution for those who don't have space for separate components, yet still desire uncompromising performance. It is an ultra-high-performance multichannel-integrated amplifier with surround processing that brings music and movies to life in a startlingly vivid way. Sporting the latest HDMI 2.0a hardware, DTS:X and Dolby Atmos 7.1.4 processing, its amplifier section is built upon a powerful class AB design with 7 x 100 watts per channel, all channels driven into 8 ohms, anchored by a massive Rotel-made toroidal transformer.

RAP-1580 utilizes high performance Wolfson 24-bit/192kHz Digital-to-Analog Converters for all channels. These low noise, audiophile quality DACs are supported with premium-grade audio parts in circuits tuned by Rotel's acoustic engineering team in the U.K.

Inputs include 8 x HDMI video inputs with 2 x HDMI video outputs all supporting 4K video with 3 of these inputs and both outputs enabled with HDCP 2.2. There is a seven-inch TFT display on the

front panel to provide easy adjustments to all audio and video parameters without the need to turn on the television or video projection system. This makes it ideal for set-ups when the equipment rack is located separately from the video display. A full suite of custom integration features is on-board.

Other features include a front panel HDMI input with 4K video pass-through, front panel iPod USB input with 2.1A charging and integrated aptX enabled Bluetooth technology for higher fidelity. The RAP-1580 also includes a PC-USB input supporting 24-bit/192kHz audio, a quality MM phono stage input, CD input, XLR balanced input, Tuner input, AUX analog input and multichannel input.

Rotel's RAP-1580 is simple to operate, powerful, flexible and refined. It is a state-of-the-art single chassis audio/video component that outperforms most separates. In stereo or surround sound, this is a serious audio component.

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SPECIFICATIONS

Audio

Continuous Power Output 100 watts / channel
(20 - 20k Hz, THD < 0.05%, 8 ohms)
7 channels driven

Continuous Power Output 150 watts / channel
(1k Hz, THD < 0.03%, 8 ohms)
2 channels driven

Total Harmonic Distortion < 0.03%

Intermodulation Distortion < 0.03%
(60 Hz : 7 kHz, 4:1)

Frequency Response

Phono Input 20 Hz - 20k Hz, ± 1 dB

Analog Bypass 10 Hz - 100k Hz, ± 1 dB

Digital Input 20 Hz - 20k Hz, ± 0.5 dB

Damping Factor 230
(1k Hz, 8 ohms)

Signal to Noise Ratio (A-weighted)

Analog Bypass 100 dB

Digital Input 96 dB

Input Sensitivity/ Impedance

Phono Level 3.85 mV / 47k ohms

Line Level 300 mV / 100k ohms

Balance Level 600 mV / 100k ohms

Preamp Output Level 1.2 V

Digital Audio LPCM (up to 192kHz, 24-bit)
Dolby® Surround, Dolby® TrueHD, Dolby® Atmos, DTS-HD Master Audio, DTS:X

Video

Input Resolutions 480i/576i, 480p/576p, 720p, 1080i, 1080p, 1080p 24Hz, 3D, 4K, UHD

Output Resolution 480i/576i, 480p/576p, 720p, 1080i, 1080p, 1080p 24Hz, 3D, 4K, UHD

Color Space Support sRGB, YCbCr 4:2:2, YCbCr 4:4:4

Deep Color Support 24-bit, 30-bit, 36-bit

HDMI Inputs/Outputs 8 inputs with 3 supporting HDCP 2.2

2 outputs supporting HDCP 2.2
Audio Return Channel

General

Power Consumption 1100 watts
< 0.5 watt (standby)

Power Requirements (AC) 120 volts, 60Hz
230 volts, 50Hz

BTU (4 ohms, 1/8 Power) 2800 BTU/h

Dimension (W x H x D) 431 x 192 x 470 mm
17 x 7 5/9 x 18 1/2 in

Front Panel Height 4U / 177 mm / 7 in

Weight 22.8 kg / 50.27 lbs