

Cambridge Audio

Tech specs

Azur 740C Upsampling CD Player



Azur 740C specifications

Features

Adaptive Time Filtering (ATF) Asynchronous upsampling technology converting 16-bit 44.1 kHz CD data to 24-bit 384kHz

32-bit Analog Devices "Black Fin" DSP

Dual differential DAC's Wolfson WM8740 24 Bit DACs running at 384kHz

Four Pole Dual Differential double virtual earth balanced topology, maintains channel separation and eliminates distortion

Digital inputs 2 co-axial, 2 optical allowing upsampling and playback of other sources

Digital outputs 1 co-axial, 1 optical allows recording of raw or up-sampled audio (192kHz maximum)

Audio outputs 1 unbalanced

Other connections Control bus input/output, 1 IR emitter in, 1 IEC type mains inlet

Extruded aluminium side panels and solid aluminium front panel

Low resonance, ultra rigid, acoustically dampened chassis improves sonic performance

Full function aluminium face azur navigator remote

Available in silver/black

Performance

Frequency response 20Hz to 20kHz (+/-0.1dB)

THD @ 1kHz 0dBfs <0.0008%
@ 1kHz - 10dBfs <0.0005%
@ 20kHz 0dBfs <0.0001%
IMD (19/20kHz) 0dBfs <0.0006%

Linearity @ -90dBfs +/-0.5dB

Stopband rejection (>24kHz) > 115dB

S/N ratio, A weighted > 113dB

Total correlated jitter > 130ps

Crosstalk @ 1kHz > -130dB
@ 20kHz > -110dB

Output impedance > 50 ohms

Digital input word widths supported 16 - 24 bit

Digital output word widths supported 16, 20, 24 bit

Digital input sampling frequencies supported
32kHz, 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz

Digital output sampling frequencies supported
32kHz - 192kHz pass through (including 44.1kHz for CD)

Audio output upsampling Fixed 24 bit, 384kHz

Dimensions hwxwd 115 x 430 x 315mm (4.5 x 16.9 x 12.7")

Weight 6.4kg (14.1lbs)

ATF™ is a trademark of Analog Devices



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