

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)

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

**Linearity @ -90dBFs** +/-0.5dB

**Stopband rejection (>24kHz)** > 115dB

**S/N ratio, A weighted** > 113dB

**Total correlated jitter** > 130ps

<b>Crosstalk @ 1kHz</b>	> -130dB
	@ 20kHz

**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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Cambridge Audio  
Hankey Place, London, SE1 4BB, England  
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