

# Cambridge Audio Tech specs

## Azur 640R HDMI 7.1 AV Receiver



### 640R specifications

#### Features

##### HDMI switching

**Analogue video up-conversion** (transcode composite to S-Video, s-video to Component)

##### HDTV capable via component video or HDMI/DVI

**Decoding formats** PCM, Dolby EX, DTS ES, DTS Matrix/Discrete, PLII/PLIIX, DTS Neo:6 all in 5.1/6.1 or 7.1 variants

##### 32-bit DSP, 24/192 capable DACS

**Post processed Dolby / DTS modes** (convert 5.1 to 7.1)

##### Full on screen display

**Separate stereo DAC** for left/right from surround channel codec

**Audio inputs** 8 line analogue, tuner (FM/AM), 7.1 analogue input, 5 digital coaxial, 6 digital optical

**Video inputs** 5 composite, 5 s-video, 3 component video, 3 HDMI

**Main audio outputs** 7 amplified speaker outputs, 7.1 preamp outputs

**Main video outputs** 1 composite, 1 s-video, 1 component video, 1 HDMI

**Recording audio outputs** 2 line level analogue, 2 digital coaxial, 2 digital optical

**Recording video outputs** 1 composite, 1 s-video

**Other connections** 1 1/4" / 6.35mm headphone output, Control bus input/output, 1 IR emitter In, 1 RS232C, 1 IEC type mains inlet

**Incognito Ready™/A-BUS Ready™** 2 A-BUS keypad outputs (2nd/3rd Zone), 3 IR emitter outputs, 2 composite video outputs (2nd/3rd Zone), 1 external power supply input 24VDC

##### Movie, music, game optimisation

**Audio split mode** watch and listen to different sources

**Full function aluminium face azur navigator remote**

**Available in silver/black**

#### Audio

##### Power output

2 x 120 watts rms per channel, 8 ohms (two channels driven)  
7 x 100 watts rms per channel, 8 ohms (all 7 channels driven)

**THD** <0.006% @1kHz

**Crosstalk** <-60dB @ 1kHz

**Frequency response** 10Hz -20kHz - 1dB

**S/N Ratio** >90dB 'A' weighted

**Audio input impedance/sensitivity** 47kOhms/175mV or greater

**Digital input impedance** 75ohms (coaxial/SPDIF)

##### Tone controls

**Bass** +/-10dB @ 100Hz

**Treble** +/-10dB @ 10Hz

##### Tuner

**FM mode / RDS** 87.5-108MHz, 75 ohm coaxial aerial

**AM mode** 522-1629Hz, 300 ohm loop aerial

#### General

**Standby power consumption** <10w

**Quiescent power consumption** <70w

**Max power consumption** 1400w

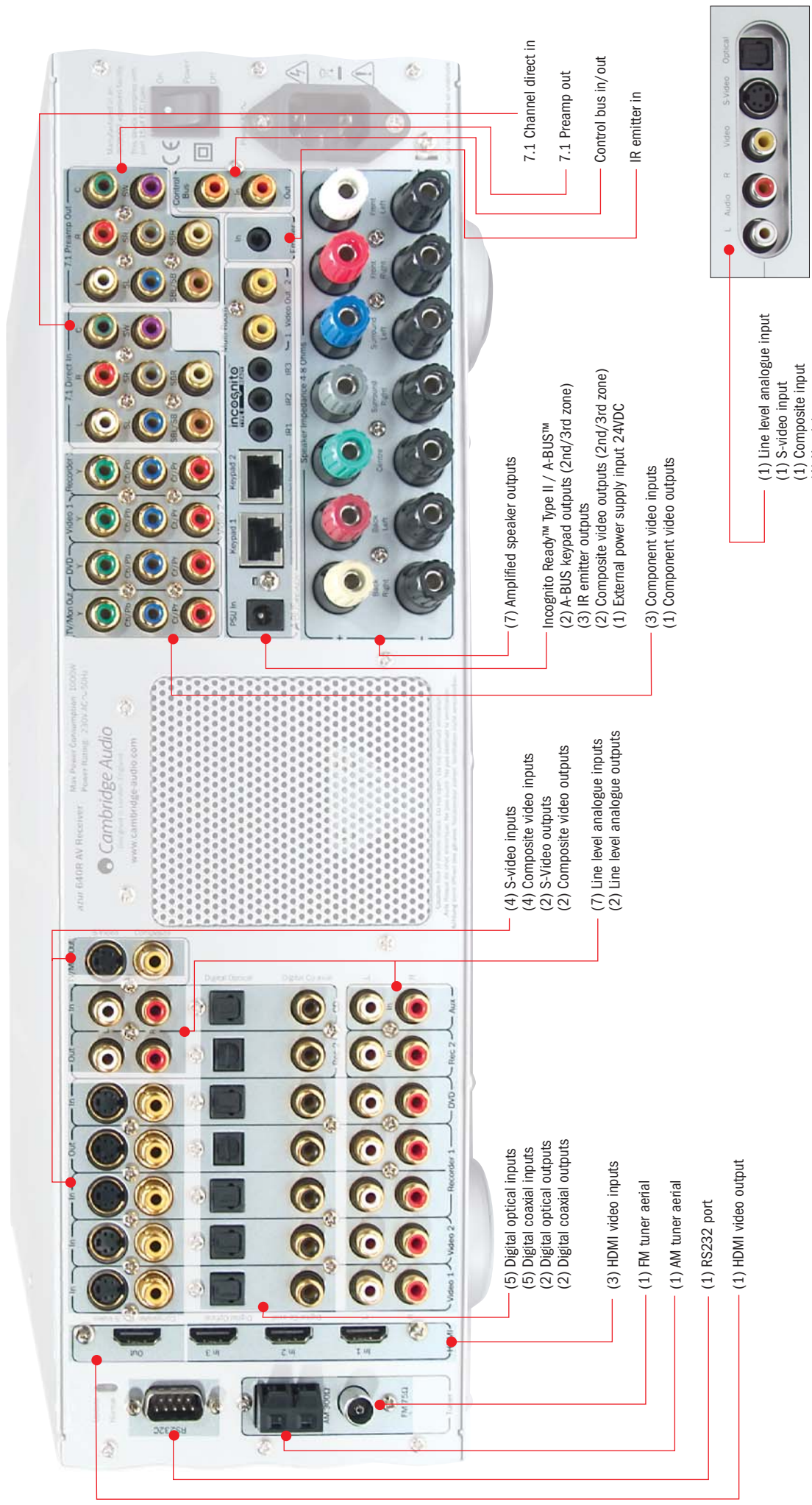
**Dimensions hwxwd** 150x425x420mm (5.9x16.7x16.6inches)

**Weight** 15kg (33lbs)

Cambridge Audio's policy is one of continuous improvement. Design and specifications are therefore subject to change without prior notice.

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- (5) Digital optical inputs
- (5) Digital coaxial inputs
- (2) Digital optical outputs
- (2) Digital coaxial outputs
- (3) HDMI video inputs
- (1) FM tuner aerial
- (1) AM tuner aerial
- (1) RS232 port
- (1) HDMI video output

- (4) S-video inputs
- (4) Composite video inputs
- (2) S-Video outputs
- (2) Composite video outputs
- (7) Line level analogue inputs
- (2) Line level analogue outputs

- (7) Amplified speaker outputs
- Incognito Ready™ Type II / A-BUS™
- (2) A-BUS keypad outputs (2nd/3rd zone)
- (3) IR emitter outputs
- (2) Composite video outputs (2nd/3rd zone)
- (1) External power supply input 24VDC
- (3) Component video inputs
- (1) Component video outputs

- 7.1 Channel direct in
- 7.1 Preamp out
- Control bus in/out
- IR emitter in

- (1) Line level analogue input
- (1) S-video input
- (1) Composite input
- (1) Headphone output
- (1) Digital optical output

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## Front panel connections

