

CAAS Audio DAS Specification

All specifications are subject to change at any time.

The reference standard digital audio server & streamer features:

- Parallel 176.4k up-sampling 16bit R-2R DACs
- Bespoke software up-sampler
- Ultra low jitter clock module
- Bespoke 8 wire ultra low jitter digital interface and re-clocking (CAAS developed for bit perfect digital transport between the Audio Server computer and DAC board)
- One S/Pdif input, 2 x USB and 1 x LAN
- Sample rates up to 24bit / 192kHz
- S/Pdif sample rates up to 16bit / 96kHz
- HDMI with CEC
- Ultra low Transient Intermodulation Distortion (TIM)
- DC Coupled from DACs to output
- Separate transformers for the analogue and digital sections
- 11 regulated power supplies: 4 dedicated discrete regulated power supplies (analogue section) and 7 regulated supplies for the digital sections
- Play music from an external 3.5" hard drive or USB pen (2.5" HDD not supported)
- Stream music over your network from tablets, smart phones and laptops (Windows Shares/DLNA/UPnP/AirPlay)
- Accepts multiple file formats (WAV, FLAC, AIFF, ALAC, APE etc...)
- TIDAL music streaming support available via downloadable add-on
- HDMI output for navigating music files on a flat screen TV
- HDMI CEC control via TV remote (CEC enabled TVs only)
- Control through networked devices (smart phones, tablets, web browser etc...)

Specification

Frequency Response	10Hz to 20kHz (-0.1dB)
Analogue Output	2V RMS
Output Impedance	110ohm
DAC THD	< 0.03% @1kHz (0dB level, 2V RMS output)
Crosstalk	<-90dB
Output SNR (A-WTD)	~100dB
Output DC Offset	<+/-10mV
Power Consumption	< 20W
Fuse Rating	T500mA
Analogue Outputs	1 x L/R Pair RCA (Fixed Line Level DAC output)
Digital Inputs	1 x RCA (S/Pdif) 2 x USB (connect to hard drive or PC)
Network Inputs	1 x RJ45 LAN (wired connection)
Video Output	1 x HDMI (with CEC capability)
DAC	Parallel 176.4k up-sampling 16Bit R-2R DACs
Mains Transformers	2 x 15VA (toroidal)
Dimensions	220mm (W), 260mm (D), 65mm (H)
Weight	2.8kg