

CINEMA DIGITAL SERIES

- AMPLIFIER SPEC SHEET -



| | MODEL | CHANNEL COUNT | WATTS PER CHANNEL |
|------------------------------|--|--|-------------------|
| | CDS 1504 | 4 CHANNELS | 1500 WATTS |
| AUDIO SPEC | Output Power | 4 x 1500 WRMS Per Channel @ 2Ω, 4Ω, 8Ω, 70V, 100V 750 Watts @ 25V | |
| | Inputs | 4 Analog: Balanced Inputs with user selectable 26 dB and 34 dB input sensitivity AES67: 8 x 8 AES67 at 96kHz or 48kHz, Multicast or Unicast AES 67: Configurable via the AES67 Controller Software | |
| | THD+N | 0.1% (20Hz to 20kHz) | |
| | Frequency Response | +/- 0.5 dB @ 4Ω, 8Ω, 70V, 100V, -2.5dB @ 20kHz at 2Ω | |
| | Signal to Noise Level | 105dB (20Hz to 20kHz referenced to 8Ω) | |
| | Crosstalk | 70dB (20Hz to 20kHz) | |
| | I/O Latency | 3.2ms DSP latency with no FIR Coefficients loaded | |
| | Load Impedance | Lo-Z down to 2 ohms, 70V direct, and 100V Direct per channel | |
| | Output Classification | Class D with Proprietary Smart Power Bridge Technology allowing bridged output functionality on 2 channels without sacrificing an amplifier channel | |
| DSP | DC Offset | +/- 3mV | |
| | DSP Architecture | Analog Devices Sharc 96kHz DSP Processor with 32-bit Core with Sample Rate Converters | |
| | Input Matrix | Routable matrix; any input to any output with primary and secondary input priority | |
| | Crossovers | Up to 48 dB/Octave IIR Filters (Linkwitz Riley and Butterworth and Bessel), FIR filters (24db/oct & 48db/oct Linkwitz Riley, Linear Phase Brickwell, and ability to load FIR Coefficients – 2048 taps per channel @96 kHz) | |
| | Parametric EQ | 8 Band Parametric EQ per channel | |
| | Output Delay | 4 Seconds per channel | |
| | Output Protection | DC, VHF, and AC Mains Protection, Over-temp and Current Limiter, fan fault detection | |
| | Limiting | Peak Voltage and RMS Voltage | |
| CONTROL, MONITORING, NETWORK | Load Monitoring | Realtime Load Monitoring and Pilot Tone Detection from Internal or External Sources | |
| | Network Connectivity | Wi-Fi or 100MB Ethernet with PoE or Built in Wi-Fi Access Point (IEEE 802.11 b/g/n WPA, WPA2, WEP) | |
| | User Interface | Web Browser User Interface, 3 rd Party API Control, LEA Cloud or SharkWare | |
| | Operating Systems | MAC, IOS, PC, Android, Linux | |
| | Event Reporting | User Downloadable and Viewable Event and Fault log - POE allows for enhanced error monitoring | |
| OPS DATA | External I/O | External I/O In: Toggles Remote On/Off External I/O Out: Indicates Amplifier Health | |
| | Cloud IoT | AWS Cloud based IoT functionality via LEA Professional Cloud | |
| | AC Mains | 100VAC - 240VAC +/- 15% 50Hz or 60Hz | |
| | Temperature | Storage: -20°C to 90° C - Operating: 0°C to 60° C | |
| | Power Supply | Universal Switch Mode Power Supply | |
| PHYSICAL SPEC | EN54-16 Output Power | 1218 Watts @ 9.6Ω (40° C ambient temp for 1 minute) Smart Power Bridge: 1884 Watts @ 9.6Ω (40° C ambient temp for 1 minute) | |
| | Safety Approvals | UL, CSA, CE, ETL, FCC, CCC, KETI, NOM, ROHS, PSE, EN54-16 | |
| | Dimensions (L x W x H) | Product: 17.25" x 19" x 2U (438mm x 482mm x 2U) Shipping: 22" x 22.75" x 8" (578mm x 203mm x 559mm) | |
| | Weight | 28lbs / 12.7kg Shipping: 30lbs / 13.6kg | |
| | Cooling | Front to Rear Variable Fan Speed Cooling Fan Noise at idle is 50dB @1m Fan Noise at 50% is 57dB @1m Fan Noise at full speed is 63dB @1m | |
| Connectors | Analog Input: 3 pin Amphenol Anytek, Output: 2 pin Amphenol Anytek, External IO: 8 pin Amphenol Anytek, power cord (32A Neutrik Powercon to L6-30p), Ethernet RJ45 In for Control, Primary and Secondary RJ45 in for AES67 | | |

LEA Professional reserves the right to make any necessary changes to the specification. The LEA Professional Warranty is 6 years from date of purchase and product registration in the United States



SCAN TO DOWNLOAD
USER'S MANUAL

