

CDA7.5

Mainstream cinema | Immersive auditoriums | Post production | Premium large format

Exceptionally powerful and efficient Class D amplification for distortion-free signal reproduction

CHRISTIE®
VIVE AUDIO



CLASS D AMPLIFICATION

Cinema's first highly efficient and reliable amplifier

Key features:

- › **Versatile and reliable** – Designed for long-term continuous operation for a range of applications
- › **Easy to diagnose** – Active, signal present, DC protection, and thermal LED indicators
- › **Multi-mode functionality** – parallel/ stereo mode switch with high current switch mode power supply
- › **Perfect match** – high current capability and fast transient response makes it ideal for all loudspeakers
- › **Powerfully efficient output** – high-power, low-heat, high stability even with low impedance loads



Specifications

Christie CDA7.5

Rated power	2 x 2 ohms	• 3790W per channel @ 1kHz 1% T.H.D. both channels driven
	2 x 4 ohms	• 2030W per channel @ 1kHz at <0.1% T.H.D. both channels driven
	2 x 8 ohms	• 1170W per channel @ 1kHz at <0.1% T.H.D. both channels driven
	1 x 2 ohms	• 3900W @ 1kHz at <0.1% T.H.D.
	1 x 4 ohms	• 2400W @ 1kHz at <0.1% T.H.D.
	1 x 8 ohms	• 1300W @ 1kHz at <0.1% T.H.D.
Minimum load impedance		• 2 ohms
Maximum RMS voltage swing		• 124V
Frequency response		• 20Hz-30kHz; 0dB, -3dB @ 1W
T.H.D.	2 x 2 ohms	• <0.5% @ 3390W per channel from 20Hz-4kHz, decreasing to 3100W @ 20kHz
	2 x 4 ohms	• <0.1% @ 1850W per channel from 20Hz-20kHz
	2 x 8 ohms	• <0.1% @ 1170W per channel from 20Hz-10kHz, increasing to 1350W @ 20kHz
Input CMRR		• >-75dB @ 1kHz
Voltage gain		• x40 (+32dB)
Crossover		• 100Hz switchable 2nd order high pass and 3rd order low pass per channel
Crosstalk		• >-60dB @ 1kHz at 1000Ws power @ 8 ohms
Hum and noise		• >-100dB, "A" weighted referenced to rated power @ 4 ohms
Slew rate		• >12V/μs
Damping factor (8 ohms)		• >200:1 @ 20Hz-1kHz @ 8 ohms
Phase response		• +15 to -85o from 20Hz-20kHz
Input sensitivity		• 2.25V ±3% for 1kHz 4 ohm rated power • 2.20V ±3% for 1kHz 2 ohm rated power
Input impedance		• 20k ohms balanced • 10k ohms unbalanced
Current draw	@ 1/8 power	• 1348W@2ohms • 757W@4ohms • 504W@8ohms
	@ 1/3 power	• 3185W@2ohms • 1654W@4ohms • 907W@8ohms
Cooling		• 3 temperature dependent variable speed fans
Controls		• 2 front panel attenuators • Crossover select switch for High Out, Normal and Subwoofer
Indicator LEDs		• 2 ACL (clip limiting) • 2 signal presence • 2 active status • 2 temp • 2 DC protect
Protection		• Thermal • DC • Subsonic • Incorrect loads • Under and over voltage
Connectors	inputs	• Neutrik Dual Combi 1/4" XLR
	outputs	• Dual 1/4" signal patch • Neutrik Speakon Dual 4-pin twist-lock connectors
Construction		• 0.062" thick aluminum
Dimensions		• (LxWxH) 17.5 x 19 x 3.5" (444 x 482 x 89mm) behind front panel + 0.75" for front panel
Net weight		• 15.2lbs (6.9kg) ¹
Gross weight		• 19.0lbs (8.6kg)
Warranty		• Limited 5-year warranty

Corporate offices

Christie Digital Systems USA, Inc.
Cypress
ph: 714 236 8610

Christie Digital Systems Canada Inc.
Kitchener
ph: 519 744 8005

Worldwide offices

Australia
ph: +61 (0) 7 3624 4888

Brazil
ph: +55 (11) 2548 4753

China (Beijing)
ph: +86 10 6561 0240

China (Shanghai)
ph: +86 21 6030 0500

Colombia
ph: +57 (318) 477-3179

Eastern Europe
ph: +36 (0)1 47 48 138

France
ph: +33 (0) 1 41 21 44 04

Germany
ph: +49 221 99 512-0

India
ph: +91 (080) 6708 9999

Mexico
ph: +52 55 4744 1790

Singapore
ph: +65 6877 8790

South Korea
ph: +82 2 702 1601

Spain
ph: +34 91 633 9990

United Arab Emirates
ph: +971 (0) 4 503 6800

United Kingdom
ph: +44 (0) 118 977 8000

United States (Arizona)
ph: 602 943 5700

Independent sales consultant offices

Italy
ph: +39 (0) 2 9902 1161

Russia
ph: +7 (495) 930 8961

Rated power readings made with BW: <10Hz-22kHz. All power measurements made at 120 VAC. 2 ohm power is time limited by circuit breaker. Input power requirements: 120 VAC, 60Hz, 5A.

¹ Net weight does not include power cord.

For the most current specification information, please visit christiedigital.com

Copyright 2020 Christie Digital Systems USA, Inc. All rights reserved. All brand names and product names are trademarks, registered trademarks or tradenames of their respective holders. Performance specifications are typical. Due to constant research, specifications are subject to change without notice.
CINE0112-CDA7.5-Datasheet-Jan-2020-EN-US



CHRISTIE[®]