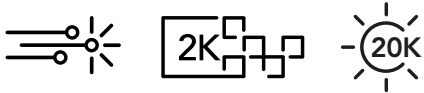


CP2420-RGB

Medium-screen auditoriums | Event cinema | Post production | Screening rooms

Advanced, yet affordable, DCI compliant cinema projection featuring Christie RealLaser™ technology for screens up to 63 feet wide



Key features:

- › **Electronic color convergence** - Provides perfect alignment throughout the entire image
- › **Enhanced Wavelength Diversity (EWD)** - Uses multi-wavelength primary color lasers to improve image performance on high-gain screens
- › **Long-lasting light source** - over 50,000 hours of optimal performance
- › **Low maintenance** - sealed optics for protection against dust ingress
- › **Backwards compatibility** - works with existing Christie accessories and lenses
- › **Best-in-class operational efficiency** - 12.9 lumens per watt

CHRISTIE
RealLaser™

Advanced laser light source for accurate reproduction of DCI content

CineLife+™

Brilliant electronics that help maintain day-one performance

CINEMASTER CALCULATOR

Find the right projector and lens for your screen



Specifications Christie CP2420-RGB

Brightness	nominal	• Up to 20,000 lumens
	lifetime	• >50,000 hours ¹
Contrast ratio		• Up to 6000:1 (UHC lens required) ²
Digital micromirror device		• 0.98" mDC2K 3-chip DMD DLP Cinema® • 2048x1080 (2K)
Color gamut	native gamut	• >95% of Rec 2020 coverage
Processing electronics		• Christie (R) CineLife+™ Series (Series-2 IMB compatible) ³ • HDMI 2.0 x 2 • 1G Ethernet x 1 • 12G SDI x 4 • DisplayPort 1.2 x 2 • Remote UI • Electronic Color Convergence (ECC)
Lens mount configuration		• Fully motorized Intelligent Lens System (ILS™)
Lenses₃		• 1.05:1 / 1.20-1.75:1 / 1.39-1.9:1 / 1.5-2.2:1 / 1.75-2.4:1 / 1.9-3.0:1 / 2.4-3.9:1 / 3.9-6.52
Power input requirements		• Input A: 200-240 VAC @ 50-60Hz, 12A max • Input B (UPS input): 100-240VAC @ 50-60Hz, 10A max
Cooling		• Liquid pressurized/TEC, self-contained • Heat extraction optional
Power consumption		• 1545W ⁴ , max DCI brightness, @25°C 5270 BTU/hr
Laser class		• Class 1 - Risk Group 3
Weight		• As installed: 176lbs max (80kg)
Dimensions (w/o lens)	size (LxWxH)	• 42.6 x 25.0 x 13.3" (1083 x 635 x 337mm)
Accessories		• Touch panel controller (optional) • Rack mount pedestal • Rack mount pedestal adaptor • Extraction duct adaptor

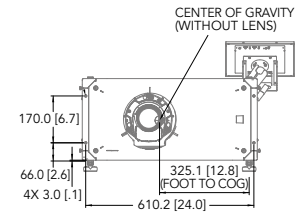
¹ Subject to variables specific to each installation. Please see Christie's laser best practices guide for more information.

² Supports legacy Series 2 IMBs. A list of supported versions is available upon request.

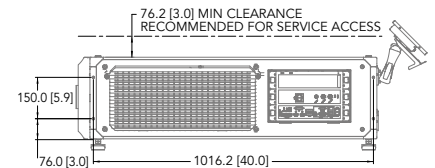
³ Available in HB and UHC lens versions

⁴ Typical power consumption. May be impacted by environmental conditions.

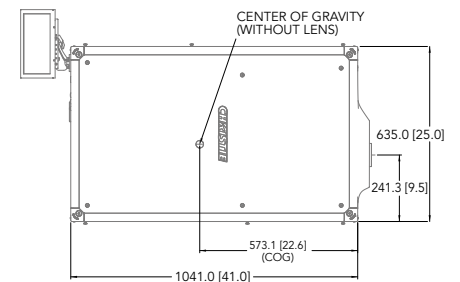
Front view



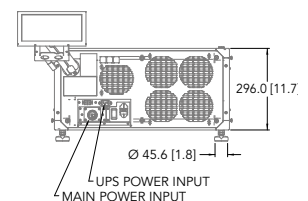
Side view



Top view



Back view



Corporate offices

Christie Digital Systems USA, Inc.
Cypress
PH: +1 714-236-8610

Christie Digital Systems Canada
Inc.
Kitchener
PH: +1 519-744-8005

Worldwide offices

Australia
PH: +61 (0) 7 3624 4888

Brazil
PH: +55 11 3181-2952

China (Beijing)
PH: +86 10 6561 0240

China (Shanghai)
PH: +86 21 6030 0500

China (Shenzhen)
PH: +86 755 3680 7000

Colombia
PH: +57 (315) 652-9620

Germany
PH: +49 221 99 512-0

India
PH: +91 (080) 6708 9999

Mexico
PH: +52 (55) 4744-1791

Singapore
PH: +65 6877 8737

South Korea
PH: +82 2 702 1601

Spain
PH: +34 (0) 91 633 99 90

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

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

United States (Arizona)
PH: +1 602-943-5700

United States (Texas)
PH: +1 469-757-4420

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

Copyright 2023 Christie Digital Systems USA, Inc. All rights reserved. Our centers of excellence for manufacturing in Kitchener, Ontario, Canada and in Shenzhen, China are ISO 9001:2015 Quality Management System-certified. All brand names and product names are trademarks, registered trademarks or tradenames of their respective holders. "Christie" is a trademark of Christie Digital Systems USA, Inc., registered in the United States of America and certain other countries. DLP® and the DLP logo are registered trademarks of Texas Instruments. Performance specifications are typical. Due to constant research, specifications are subject to change without notice. CD3899-Christie-CP2420-RGB-Datasheet-Sept-23-EN

