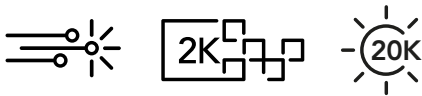


CP2420-RGB

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

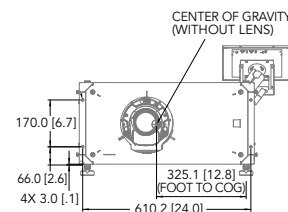
Brightness	nominal	• Up to 20,000 lumens
	lifetime	• >50,000 hours ¹
Contrast ratio		• Up to 6000:1 (UHC lens required)
Digital micromirror device		• 0.98" mDC2K 3-chip DMD DLP Cinema® • 2048x1080 (2K)
Color gamut	native gamut	• >95% of Rec 2020 coverage
Processing electronics		• Christie (R) CineLife+™ Series (Series-2 IMB compatible) ² • 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, 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.

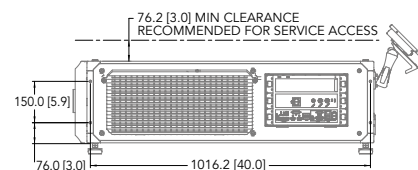
² Supports legacy Series 2 IMBs. A list of supported versions is available upon request.

³ Available in HB and UHC lens versions

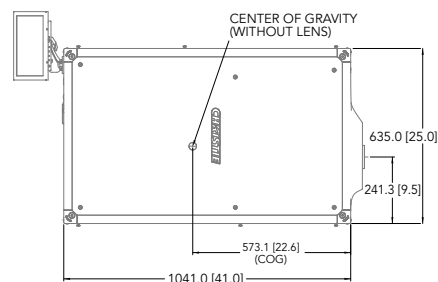
Front view



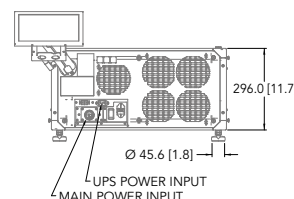
Side view



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	Colombia PH: +57 (315) 652-9620	Singapore PH: +65 6877 8737	United Kingdom PH: +44 (0) 118 977 8000
Brazil PH: +55 11 3181-2952	Germany PH: +49 221 99 512-0	South Korea PH: +82 2 702 1601	United States (Arizona) PH: +1 602-943-5700
China (Beijing) PH: +86 10 6561 0240	India PH: +91 (080) 6708 9999	Spain PH: +34 (0) 91 633 99 90	United States (Texas) PH: +1 469-757-4420
China (Shanghai) PH: +(8621) 6030 0500	Mexico PH: +52 (55) 4744-1791	United Arab Emirates PH: +971 (0) 4 503 6800	

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

Copyright 2022 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.
CD3013-Christie-CP2420-RGB-Datasheet-Oct-22-EN



CHRISTIE®