

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 - CINEMA 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® • 2048 x 1080 (2K)
Color gamut		• >95% of Rec 2020 coverage
Processing electronics		• Christie® 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™)
Lenses		• 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 5300 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

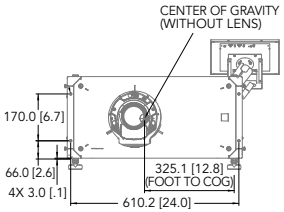
¹ Subject to variables specific to each installation. Please see Christie's laser best practices guide for more information.

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

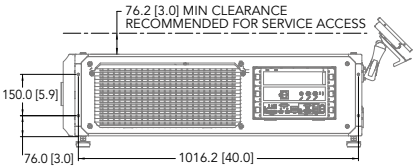
³ Available in HB and UHC lens versions

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

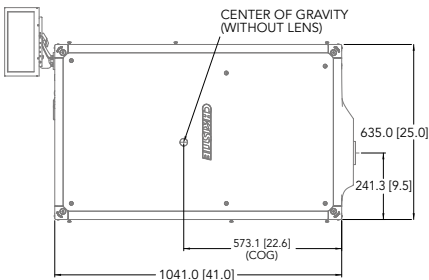
Front view



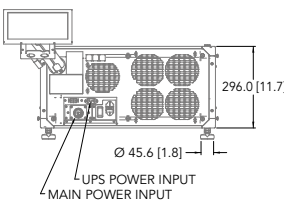
Side view



Top view



Back view



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