

CP2420-Xe

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

Lowest upfront investment for DCI-compliant cinema on screens up to 71 feet wide



Key features:

- › **Ultra-fast processing** – HDMI 2.0 and 4x 12GB SDI inputs for 1.06G pixels per sec
- › **Easy to install** – lightweight all-in-one chassis for flexible mounting
- › **Flexibility of brightness** – Operates with either standard 2kW, 3kW and high performance 3kW lamps
- › **Affordable performance** – Christie Xenolite long-life, lower power-consumption lamps
- › **Hyper realism** – new system architecture that displays content without motion blur and artifacts
- › **Reliability** – split power operation for use with UPS

CHRISTIE XENOLITE

Industry's longest warranted and most reliable lamps - 99.999% uptime



Adds ultra high frame rate providing each eye 2K 120fps, 4K 120fps, 4K 3D 60fps

DIGITAL CINEMA CONFIGURATOR

Help find the right lamp for your projector on our website



Specifications

Christie CP2420-Xe

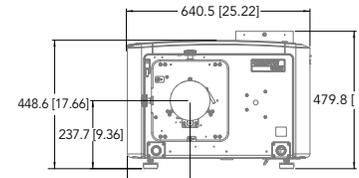
Brightness ¹	nominal	• Up to 22,000 lumens
	screen size	• 71' screen ¹
	lamp	• 2.0kW (CDXL-20) 003-000598-01 • 3.0kW (CDXL-30) 003-000599-01 • 3.0kW (CDXL-30SD) 003-001165-XX
Contrast ratio		• >2000:1 full field on/off
Supported frame rates		• 2D up to 120 fps • 3D up to 60 fps/eye
Digital micromirror device		• 1.2" 2K 3-chip DMD DLP Cinema® • 2048 x 1080 pixels
Processing electronics		• Christie® CineLife+™ Series (Series-2 IMB compatible) • HDMI 2.0 x2 • 1G Ethernet x1 • 12G SDI x 4 • DisplayPort 1.2 x2 • Remote UI • Electronic Color Convergence (ECC)
Number of colors		• 35.2 trillion
Lens mount configuration		• Fully motorized Intelligent Lens System (ILS™)
Lenses		• HB and HC: 1.0:1 (HB lens) / 1.25-1.83:1 / 1.45-2.05:1 / 1.60-2.40:1 / 1.80-3.0:1 / 2.15-3.60:1 / 3.0-4.30:1 (HB lens)
Power input requirements		• Main Input: 200-240VAC @ 50-60Hz 21A max • UPS Input: 100-240VAC @ 50-60Hz 4A max
Power consumption		• 4200W ² max
Lamp power supply		• 3.3 kW low-ripple switch mode power supply
Weight		• As installed: 256lbs max (116kg)
Dimensions (LxWxH)		• 41.9" x 25.4" x 17.5" (1064 x 644 x 446mm)
Accessories		• Variable aperture kit • Nema-L6 30A 250V male PWR plug w/1.5m cord • Rack mount pedestal • Touch panel controller (optional)

¹ Maximum screen size depends upon various factors such as screen gain, lamp age, geometry, etc. Consult your Christie representative for detailed analysis. Measured at screen center.

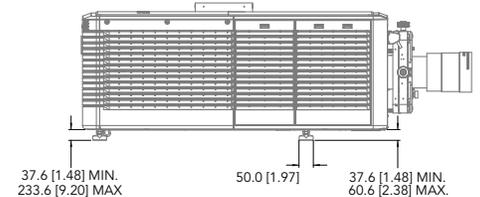
² Typical power consumption. May be impacted by environmental conditions.

Supports 3rd party IMB models from Dolby, GDC and others. Please contact Christie for updated compatibility list.

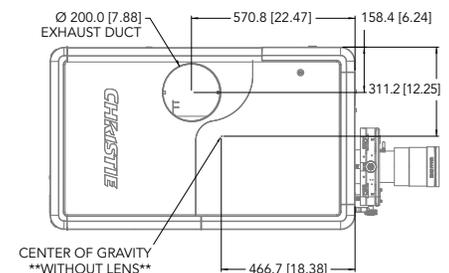
Front view



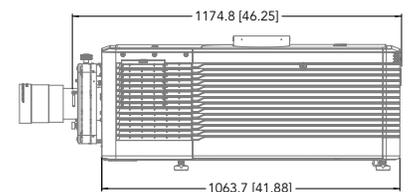
Side view



Top view



Side view



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

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