

# Christie CP2320-RGB

Digital cinema  
Screening rooms  
Post production



## RealLaser illumination. Powerful cinematic experiences.

The Christie® CP2320-RGB gives exhibitors the latest innovations in RGB pure laser technology at a cost of ownership comparable to Xenon. Featuring CineLife™ electronics and RealLaser™ illumination, this 20,000 lumen, DCI-compliant projector excels in image quality, operational lifetime, and overall cost. Its compact, all-in-one form factor does not require any external chillers or parts for a seamless installation into any booth. Now is the time to make the switch to RGB pure laser.

### Image performance at its finest

Don't sacrifice quality by choosing laser phosphor. The CP2320-RGB produces impeccable image quality that audiences notice. By combining 2K resolution, an expanded color gamut, and industry leading contrast of 3000:1 the CP2320-RGB keeps stride with the enhancements in cinematic content to reveal a whole new depth of detail. Add to this high frame rate capabilities and the CP2320-RGB sets the standard for affordable, high-performance mainstream cinematic exhibition.

**CHRISTIE®**

Specifications		Christie CP2320-RGB
Brightness	nominal	• Up to 20,000 lumens at DCI white (<25°C ambient)
	lifetime	• >30,000 hours to 80% brightness (<25°C ambient)
Contrast ratio		• 3000:1 sequential / 1000:1 ANSI with standard high brightness lens
Digital micromirror device		• 0.98" mDC2K 3-chip DMD DLP Cinema® • 2048x1080 (2K)
Color gamut	native gamut	• >90% Rec 2020 coverage
Processing electronics		• Christie® CineLife™ Series-3 (Series-2 IMB compatible) <sup>1</sup>
		• HDMI v1.4a x2
		• 16-channel AES (w/ Christie IMB-S3 via RJ45 x2)
		• 2K120 / 4K30 fps (w/Christie IMB-S3)
		• Built-in automation controller • 3D Sync Connector (12V 1A powered) <sup>2</sup>
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
Input line voltage		• Single phase 200-240 VAC
Power input requirements		• Input A: 200-240 VAC @ 50-60Hz, 18A (12A typical)
		• Input B (UPS input): 100-240VAC @ 50-60Hz, 10A (8A typical @ 120V)
Cooling		• Liquid pressurized/TEC, self-contained • Heat extraction optional • Room heat load w/o extraction: 5118 BTU/hr
Laser class		• Class 1 – Risk Group 3
Dimensions (w/o lens)	size	• (LxWxH): 42.6x25.0x13.3" (1083x635x337mm)
	weight	• 176 lbs (80 kg)
Accessories		• Christie IMB-S3 (153-100102-01) • NAS-S3 5.4TB storage (153-101103-01) • Rack mount pedestal (108-416102-01) • Rack mount pedestal adaptor (163-111104-01) • Extraction duct adaptor (163-112105-01)

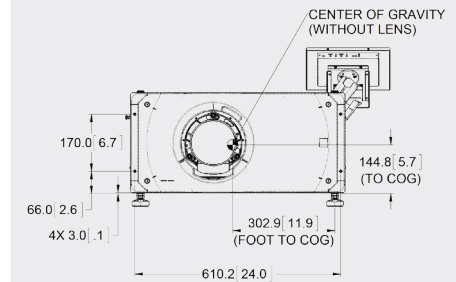
<sup>1</sup> Supports Dolby IMS2000/IMS3000 and GDC SX-3000/SX-4000

<sup>2</sup> Supports most conventional 3D systems except "color-separation" based 3D (i.e. 6P). Visit the website for more information.

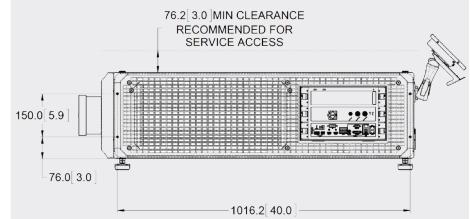
## Key features:

- › **Long-lasting, reliable light source** – Christie RealLaser provides 75,000 hours of optimal performance before reaching 50% of the original brightness
- › **Impeccable image quality** – Expansive color gamut and contrast ratio of 3,000:1 deliver an ultra-realistic presentation quality
- › **Backwards compatibility** – Fully-compatible with existing accessories including the Christie Rack Mount Pedestal and existing cinema lenses for additional cost savings
- › **Christie CineLife electronics** – Streamlined UX-designed interface for simple playback, scheduling and management of cinema content when used with the Christie IMB-S3
- › **Future-proofed** – High frame rate capable: 2K@120fps and 4K@48fps for native 4K 3D playback
- › **Compact form factor** – Fits seamlessly into existing booths for easy installation
- › **Ultra-low maintenance** – Fully-sealed optics allows for optimal protection against dust-ingress

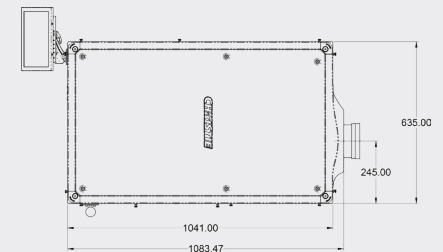
## Front view



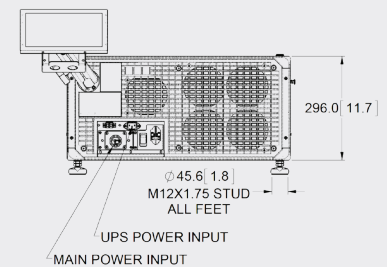
## Side view



## Top view



## Back view



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