

# CHRISTIE D4K40-RGB

Giant screens | Large-scale events and venues | Planetariums and domes  
Projection mapping | Sports venues | Theme parks and attractions

## Pure laser. Pure performance. Pure excellence.

Take large-scale projection to new heights with the Christie® D4K40-RGB. This all-in-one, 45,000 lumen RGB pure laser projector raises the bar for design, image quality and processing. Featuring Christie Real|Laser™ illumination technology and TruLife™ electronics, the D4K40-RGB is a powerhouse projector engineered to light up the largest canvases with spectacular visuals.

### All-in-one design

What sets the Christie D4K40-RGB apart? Thanks to our engineering expertise, we designed the smallest and lightest high-brightness, large venue RGB laser projector available. There are no heavy external chillers, remote laser racks,

or special pedestals - everything is completely integrated into a single chassis.

### Spectacular visuals

Our proprietary RGB pure laser illumination source provides an exceptionally wide color gamut and when combined with TruLife electronics and 4K resolution, allows the D4K40-RGB to reveal amazing depth of detail. Add optional high frame rate (HFR) capabilities up to 120fps, 5000:1 On/Off contrast ratio, omnidirectional capabilities, and the D4K40-RGB sets the new standard for large-scale projection.



**CHRISTIE®**

## Technical specifications

## Christie D4K40-RGB

|   |             |  |
|---|-------------|--|
| Image   | brightness  | <ul style="list-style-type: none"> <li>• 45,000 ISO lumens</li> <li>• 40,000 ANSI lumens (typical) @ 25°C</li> <li>• 41,000 center lumens (typical) @ 25°C</li> </ul>  |
|   | contrast    | <ul style="list-style-type: none"> <li>• 5000:1 On/Off<sup>1</sup></li> </ul>  |
| Display technology                                  | type        | <ul style="list-style-type: none"> <li>• 3DLP® 1.38" sealed to the prism</li> </ul>  |
|   | resolution  | <ul style="list-style-type: none"> <li>• 4096 x 2160 (4K)</li> </ul>   |
| Illumination  | type        | <ul style="list-style-type: none"> <li>• RGB (red, green &amp; blue) pure laser</li> </ul>   |
|   | performance | <ul style="list-style-type: none"> <li>• 20,000 hrs<sup>2</sup></li> </ul>   |
| Orientation   |             | <ul style="list-style-type: none"> <li>• Omnidirectional</li> </ul>  |
| Image processing                                    |             | <ul style="list-style-type: none"> <li>• Christie TruLife electronics, 1.2Gpx/s</li> </ul>   |
| Frame rates   |             | <ul style="list-style-type: none"> <li>• 24-60Hz standard</li> <li>• Optional 96-120Hz 4K, 240-480Hz 2K scaled</li> </ul>  |
| Inputs  | standard    | <ul style="list-style-type: none"> <li>• 2 x 12G-SDI1 x HDMI 2.0</li> <li>• 1 x DisplayPort 1.2 (HBMIC)</li> <li>• 1 x Fiber (QSFP+) for use with Christie Link Transmitter</li> <li>• HDBaseT</li> </ul>  |
|   | optional    | <ul style="list-style-type: none"> <li>• Dual 3G SD/HD-SDI input card</li> <li>• Dual Link DVI input card</li> <li>• Quad DisplayPort input card</li> <li>• Twin HDMI input card</li> <li>• Terra (SDVoE) input card</li> </ul>                  |
| Warping and blending                                | standard    | <ul style="list-style-type: none"> <li>• Christie Twist™</li> </ul>  |
|   | optional    | <ul style="list-style-type: none"> <li>• Christie Twist Premium and Twist Pro</li> <li>• Christie Mystique®</li> <li>• Christie Guardian</li> </ul>  |
| Lenses<br>(available in standard and high contrast) |             | <ul style="list-style-type: none"> <li>• 0.72:1</li> <li>• 0.9:1</li> <li>• 1.13-1.31:1</li> <li>• 1.31-1.63:1</li> <li>• 1.63-2.17:1</li> <li>• 1.99-2.71:1</li> <li>• 2.71-3.89:1</li> <li>• 3.89-5.43:1 (not available in the USA)</li> </ul> |
| Input line voltage                                  |             | <ul style="list-style-type: none"> <li>• Single phase 220 VAC, 19A, 4000W, 13,650 BTU/hr</li> <li>• Connector: 30A IEC309</li> </ul>   |
| Cooling   |             | <ul style="list-style-type: none"> <li>• Liquid, self-contained</li> </ul>   |
| Laser class   |             | <ul style="list-style-type: none"> <li>• Class 1 – Risk Group 3</li> </ul>   |
| Operating environment                               |             | <ul style="list-style-type: none"> <li>• 5-40°C (41-104°F)</li> <li>• Relative humidity: 10-80% non-condensing</li> </ul>  |
| Dimensions  | size        | <ul style="list-style-type: none"> <li>• (LxWxH): 37 x 28 x 21.8" (947 x 711 x 553mm) not including lens</li> </ul>  |
|   | weight      | <ul style="list-style-type: none"> <li>• 285lbs (130kg)</li> </ul>   |

<sup>1</sup> Using high contrast lens.

<sup>2</sup> To 60% brightness when operated at 40,000 lumens OR 30,000 hours to 80% brightness when operated at 30,000 lumens from initial startup.

## Key features

- › **All-in-one, compact design** – No external chillers, laser racks or parts, and a manageable weight of 285lbs makes it the smallest and lightest high-brightness laser projector available
- › **Omnidirectional** – Operates in any orientation for unlimited installation flexibility
- › **Christie TruLife electronics** – Delivers native 4K resolution, high frame rate video up to 240fps for unprecedented image fidelity
- › **High contrast** – Achieves 5,000:1 On/Off contrast for amazing depth of detail
- › **Expanded color gamut** – Produces >95% of the Rec. 2020 color space for rich, vibrant and true-to-life visuals
- › **Energy efficient** – Operates on 220V single-phase power for lower cost of ownership
- › **Christie Twist** – Built-in image warping and multi-projector blending software
- › **4K lens compatibility** – Compatible with most Christie 4K lenses
- › **Field replaceable RGB laser light source** – Provides easy service and replacement of the laser light source

For the most current specification information, please visit [christiedigital.com](http://christiedigital.com)



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4783 Nov 19



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