

CHRISTIE XP SERIES LED

Corporate | Government | Theme parks and attractions | Museums | Energy and utilities

Exceptional colors, grayscale precision, and superior performance at any brightness from 0.9mm to 3.7mm pixel pitch, powered by Christie VividLife.

Powered by



Exceptional precision and performance without compromise

Christie® XP Series LED is designed to deliver precise color accuracy and outstanding grayscale fidelity for unmatched visuals in both low-light and high-brightness environments, so your content appears exactly as intended, whether it's a dark ride, mission-critical control room, or premium corporate

Powered by VividLife

Engineered with advanced hardware, intelligent processing, pixel-perfect calibration, and an incredibly intuitive web interface, Christie VividLife™ LED video processing platform powers XP Series to offer low-brightness rendering, precise color and brightness uniformity across the display.

Key benefits

- › **Exceptional image quality:** DCI-P3 colors, 16-bit processing for true-to-life images, and 7,680 Hz high-speed refresh for flicker-free performance
- › **Simplified installation & maintenance:** Ultra-slim 30 mm cabinet design with full front serviceability
- › **Take control of your LED:** With the VividLife UI, you can manage, monitor, and fine-tune performance remotely, including color optimizations, diagnostics, and receive instant alerts
- › **Flexible design options:** Available in a wide range of pixel pitches with options for landscape and portrait cabinets, and supports curved installations
- › **Built for the world's most demanding applications** with TAA compliance, mission-critical 24/7 operation, and automatic calibration
- › **High-bandwidth connectivity:** Including 40Gb QSFP fiber, daisy-chain Cat6 Cabinet Link, and support for HDMI and DisplayPort



| Preliminary technical specifications | | XP0.9 | XP1.25 | XP1.5 | XP1.8 | XP2.5 | XP3.8 |
|--------------------------------------|---|---|---------------|---------------|---------------|---------------|--------------|
| Display technology | pixel pitch | • 0.9375mm | • 1.25mm | • 1.56mm | • 1.87mm | • 2.5mm | • 3.75mm |
| | led technology | • Flip-chip SMD | | | | | |
| | low calibrated brightness | • 500 nits | • 500 nits | • 400 nits | • 400 nits | • 400 nits | • 400 nits |
| | maximum calibrated brightness (cd/m ²) | • 1,000 nits | • 1,000 nits | • 800 nits | • 800 nits | • 800 nits | • 800 nits |
| | resolution (w x h) | • 640 x 360px | • 480 x 270px | • 384 x 216px | • 320 x 180px | • 240 x 135px | • 160 x 90px |
| | cabinets to achieve Full HD (1920x1080) resolution | • 3x3 | • 4x4 | • 5x5 | • 6x6 | • 8x8 | • 12x12 |
| | aspect ratio | • 16:9 or 4:9 | | | | | |
| | contrast ratio at 10 lux | • Greater than 5,000:1 | | | | | |
| | viewing angle | • ≥160°H, ≥160°V | | | | | |
| | input refresh rate | • 120 Hz | | | | | |
| | output refresh rate | • 7,680 Hz | | | | | |
| | scan rate | • 1/45 | • 1/46 | • 1/44 | • 1/46 | • 1/45 | • 1/45 |
| | color temperature | • 2,700–9,500 K | | | | | |
| | grayscale | • 16-bit; 24-bit processing | | | | | |
| | color space | • DCI-P3 ≥ 95% | | | | | |
| LED lifespan (50% brightness) | • 100,000 hours | | | | | | |
| Power | power input rating | • 100–240 VAC | | | | | |
| | power consumption | • 300W/m ² at 800 nits (maximum), 140W/m ² at 800 nits (typical) • 190W/m ² at 400 nits (maximum), 100W/m ² at 400 nits (typical) | | | | | |
| Environment | heat output | • Front: 80%, Back 20% | | | | | |
| | operating temperature | • 32–104 F (0–40 C) | | | | | |
| | operating humidity | • 10–90% RH non-condensing | | | | | |
| | storage temperature | • 77–158 F (25–70 C) | | | | | |
| | environment | • Indoor only | | | | | |
| Physical | IP rating | • Front: IP40, Bottom: IP20, Rear: IP00 | | | | | |
| | LED module size | • 150 x 337.5 mm OR 300 x 337.5 mm | | | | | |
| | cabinet dimensions | • Landscape: 600 x 337.5 x 30 mm; Portrait: 300 x 675 x 30 mm | | | | | |
| | cabinet weight | • 25 kg/m ² | | | | | |
| | cabinet material | • Die-cast aluminum | | | | | |
| | service access | • Front serviceable | | | | | |
| | install options | • Flat, concave, convex faceted curves | | | | | |
| | additional features | • TAA-compliant, ADA-compliant, automatic color and brightness matching, automatic cabinet mapping via software application, high bandwidth connection supporting up to 4K/120 Hz sources over long reach fiber, cableless interconnect modules, Cable Link (CL) included | | | | | |
| Certifications | • UL60950, FCC, CE | | | | | | |
| Warranty | • Three-year parts and labor limited warranty. Extended warranty option of up to 10 years available for a one-time fee at the time of purchase. | | | | | | |

1 Some of the listed certifications may be pending and not yet issued. For the current status of the listed certifications, please contact an authorized Christie representative.

Performance specifications are typical. Due to constant research and product development, all specifications mentioned above are preliminary and are subject to change without notice.



Learn more at christiedigital.com/XP-LED

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