

Christie Entero HB SXGA+, HD and WUXGA rear projection engines



Performance. Reliability. Confidence.

Enjoy high-performance projection in a zero-maintenance design with Christie® Entero™ HB light engines. With the most advanced LED display system design and Christie's quality, service and support, Christie Entero HB offers high brightness, 24/7 performance and reliability, all with an overall low cost of ownership and operation. Experience flexible operation, plug and play set-up and low power consumption, with Christie Entero HB.

CHRISTIE®

| | | SXGA+ | HD | WUXGA |
|----------------------------------|--|---|---|---|
| Light engine | models | • RPMSP-LED02 | • RPMHD-LED02 | • RPMWU-LED02 |
| Imaging technologies | imaging/illumination | • 1-chip DLP®, Dark Chip • LED (Red, Green, Blue) • Redundant LED Architecture | | |
| | native resolutions | • SXGA+ (1400 x 1050) • 4:3 | • HD (1920 x 1080) • 16:9 | • WUXGA (1920 x 1200) • 16:10 |
| Brightness | ANSI | • 1350 lumens high-brightness mode • 950 lumens in normal mode • 740 lumens in eco mode | • 1350 lumens high-brightness mode • 900 lumens in normal mode • 700 lumens in eco mode | • 1350 lumens high-brightness mode • 950 lumens in normal mode • 740 lumens in eco mode |
| | control | • Manual and continuous automatic control to manage brightness uniformity across large display walls | | |
| Color | temperature range | • 3200-9300°K | | |
| | gamut | • Wider than EBU | | |
| | white color balance | • 0.003 Δu' Δv' | | |
| | control | • ArraySync automatic color management to precisely and continuously manage uniformity across large display walls without user intervention • Precise tri-stimulus color sensing (x,y,z) for superior color management • Light engine is factory calibrated radiometers for high-precision color management • Manual setup if desired | | |
| Optical | lens types | • 0.69:1 low distortion, zero offset • 1.2:1 low distortion, zero offset | • 0.64:1 low distortion, zero offset • 1.1:1 low distortion, zero offset | • 0.64:1 low distortion, zero offset • 1.1:1 low distortion, zero offset |
| | lens orientation | • Vertical or horizontal | | |
| | brightness uniformity | • >95% | | |
| | contrast ratio | • Up to 2100:1 full field | • Up to 2200:1 full field | • Up to 2100:1 full field |
| | audible noise | • <30dBA typical at 1 meter distance from light engine | | |
| Inputs | standard | • 1 x digital DVI-D • 165 MHz maximum pixel clock frequency • Single link • Loop-through | | |
| | HDCP support | • Included | | |
| | optional expansion | • Secondary DVI-D input with automatic fail detection and switch over | | |
| | compatibility | • Standard XGA, SXGA, SXGA+, HD and WUXGA sources | | |
| Control and networking | methods | • IR remote keypad • External computer or control device via Ethernet and/or RS-232 and/or Wi-Fi | | |
| | physical ports | • 1 x RS-232 • 2 x Ethernet RJ45 | | |
| Options | accessories | • Secondary DVI-D input module, fiber optic input via Thinklogical® | | |
| Physical characteristics | weight | • 55lbs (25kg) | | |
| Environment | operating temperature | • 32-104°F (0-40°C) | | |
| | non-operating temperature | • -13-158°F (-25-70°C) | | |
| | humidity | • 20-80% NC | | |
| | altitude | • 0-3000m (0-10,000 feet) | | |
| Power rating (projection engine) | voltage range | • 100-240 VAC (50-60Hz) | | |
| | power consumption | • 135W/190W/220W (eco/normal/high brightness) | • 155W/210W/250W (eco/normal/high brightness) | |
| | dissipation | • 460/648/750 BTU/hr (eco/normal/high brightness) | • 529/717/853 BTU/hr (eco/normal/high brightness) | |
| Reliability and serviceability | MTBF | • >60,000 hrs for all major modules • 76,000 hrs for power supply • 100,000 hrs for cooling fan | | |
| | MTTR | • <15 minutes via modular servicing | | |
| | LED lifetime | • >80,000 hrs in eco mode • >60,000 hrs in normal operating mode | | |
| Regulatory | • The product complies with the rules and regulations to be sold in various regional markets, including: USA/Canada, EU, Australia/New Zealand, Kuwait, China, Korea, Japan, Mexico, Ukraine, Russia, South Africa and Saudi Arabia | | | |
| Warranty | • Two years parts and labor limited warranty | | | |
| Additional features and benefits | • Zero maintenance design • No consumable parts • Integrated 6-axis adjustment system – no electronic image correction required • Tiling feature to display a single source across a wall array • DVI loop-through and multiple Ethernet ports minimize cabling • Safe heat pipe cooling system ensures long LED lifetime • No hazardous liquids requiring annual maintenance/inspection nor hazardous waste disposal • Latest generation processing electronics • Cross-display monitoring whereby each display monitors and tracks settings of all other displays in the array | | | |

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