

# Christie HS Series

## 4K7-HS / 4K10-HS

Enterprise venues and boardrooms

Entertainment venues

Fixed installation

Houses of worship

Hotels

Live events and conferences

Rental and staging

Trade shows and exhibitions



## High-performance, low-cost 4K projection

The Christie® 4K7-HS and 4K10-HS combine the cost-savings of 1DLP® technology, the long operational life of laser, and the image quality of 4K UHD resolution. The result is a pair of high-performance 7,000 and 10,000 lumen, 4K UHD, HDR10 compatible laser projectors that won't blow your budget.

What makes the 4K7-HS and 4K10-HS outperform the competition is the enhanced color performance thanks to the patented Christie BoldColor Technology. Colors are vibrant and natural and with the added fidelity of 4K UHD resolution, visuals pop off the screen.

These projectors feature industry-leading, built-in Christie Twist™ for quicker and easier multi-projector setups. For even more flexibility, the 4K7-HS and 4K10-HS have two expandable option card slots which can accommodate cards such as the Christie Terra SDVoE input card; 3G SDI input cards; and HDBaseT input cards. Plus, with HDMI 2.0, DisplayPort 1.2 inputs, you can feed the projector 4K60Hz content over a single HDMI or DisplayPort cable for simplified setup and cable routing.

**CHRISTIE®**

		Christie 4K10-HS	Christie 4K7-HS
Image	brightness (lumens)	• 11,000 ISO • 10,000 ANSI	• 7600 ISO • 7000 ANSI
	color wheel	• 4 segment (RGBY) - 2X speed	
	contrast (nominal)	• Full on/off (Christie RealBlack enabled): 2,000,000:1 • Dynamic contrast: 5000:1 • Full on/off (Christie RealBlack disabled): 1200:1 • ANSI 250:1	
Display technology	type	• 1 x 0.66" DMD	
	resolution	• 4K UHD (8.3MP); 2716x1528 (WQXGA+) DMD (native); 16:9	
Illumination	type	• Laser phosphor with Christie BoldColor Technology	
	typical lifetime	• 20,000 hrs to 50%	
Signal inputs	standard	• HDMI x 2 (HDMI 2.0b, HDCP 2.1 Compliant) • DVI-D x 1 (digital only) • DisplayPort x 1 (versions 1.2) • USB x 1 (Type A) • Wi-Fi® dongle (optional) • HDBaseT (RJ45 x 1) Standard on 4K10-HS and optional on 4K7-HS	
	optional	• Terra SDVoE (optional input card) • 3G SDI (optional input card) • Note: HDBaseT is standard on 4K10-HS and optional on 4K7-HS but occupies 1 of the 2 optional input slots	
	signals	• Standard video signals up to 4096 x 2160 @ 60Hz (over a single cable; HDMI 2.0 or DP 1.2) • Horizontal and vertical scaling while maintaining aspect ratio, all inputs	
	3D and 2D HFR	• HDMI 1.4, HDBaseT - frame packed, top/bottom, side-by-side (up to 120Hz output) • Optional signal input up to 1920 x 1200 @ 120Hz over HDMI, DP and DVI • 3D sync in (BNC) - for genlocking projectors • 3D sync out (BNC) - for genlocking projectors, or controlling emitter or polarizer	
	pixel clock	• Maximum input pixel rate 600 Mpix/s (supports 4096 x 2160 @ 60Hz / 3840 x 2160 @ 60Hz over HDMI & DP) • Minimum input pixel rate 27 Mpix/s (supports 480i @ 60Hz & 576i @ 50Hz)	
	scan rates	• Horizontal: 15kHz to 91kHz • Vertical: 24Hz to 85Hz	
	monitor out (loop-through)	• 3GSDI x 1 (BNC) Optional	
Control and networking		• RS-232 in • Control via HDBaseT • Ethernet (10/100) RJ45 • Built-in backlit keypad • Wired remote control (3.5mm stereo) • Loop out available for daisy chaining	
Lenses	mount type	• Boresight adjustable • Motorized horizontal and vertical lens offset (memory available) • Motorized zoom and focus adjustment (memory available for full ILS lenses)	
	lens options	• 1.20-1.73:1 zoom lens (full ILS) • 1.7-2.12:1 zoom lens (full ILS) • 2.12-2.83:1 zoom lens (full ILS) • 2.83-5.66:1 zoom lens (full ILS) • 5.66-10.18:1 zoom lens (full ILS)	
	offsets for all ILS lenses	• ±140% Vertical • ±60% Horizontal	
Accessories	standard	• IR remote w/wired remote jack (wire not included) • AC line cord for projector head • User manual	
	optional	• Christie One Rigging Frame • 1DWUSB-BGN (wireless dongle for video and control) • Christie One Mount Plus • One Mount Extender Rod • Replacement remote control • One Mount Rigging Kit (used with One Mount, One Mount Plus and/or One Mount Extender Rod)	
Power requirements	operating voltage	• Normal: 100-240 VAC @ 50/60Hz	
	power consumption	• Maximum power consumption: 1070W • Eco1 mode (80%): 865W • Eco2 mode (50%): 540W	
	operating current	• Normal mode: 9.0A ±15% (120 VAC), 4.8A ±15% (220 VAC) • Eco1 mode: 7.2A ±15% (120 VAC), 3.9A ±15% (220 VAC) • Eco2 mode: 4.5A ±15% (120 VAC), 2.45A ±15% (220 VAC)	
	dissipation	• Normal mode: 3651 BTU/hr • Eco1 mode: 2951 BTU/hr • Eco2 mode: 1842 BTU/hr	
Audible noise		• Typical: 39dBA • Eco mode: 33dBA	
Physical	size	• (L x W x H) 23.6 x 20.5 x 8.4" (600 x 520 x 214mm) w/o feet	
	shipping size	• (L x W x H) 35.6 x 29.9 x 14.8" (905 x 760 x 365mm)	
	weight (w/o lens)	• 79.4lbs (36kg)	
	shipping weight	• 99.2lbs (45kg)	
Operating environment	temperature	• 32-104°F (0-40°C)	
	humidity	• 0-85% non-condensing	
Regulatory		• Contact Christie for the timing of certifications: UL/CSA/IEC 60950-1, FCC Class A, CE, FDA, CCC, KC, PSE, CU, SABS, BIS, VCCI, RCM, Ukr, TER, SASO • This product conforms to all relevant European directives, standards, safety, health and environmental concerns • RoHS, REACH, WEEE	
Warranty		• Three years parts and labor on the projector • Three years or 15,000 hours parts and labor on the illumination system <sup>1</sup> • Contact an authorized Christie representative for full details of our limited warranty	

<sup>1</sup>Please reference Christie Standard Limited Warranty document for details.

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Printed in Canada on recycled paper. 4759 Mar 19

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