

# Christie HS Series

## D20WU-HS / D20HD-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-brightness performance.  
Light weight design.

There is no other 1DLP® laser projector with a better lumen-to-weight ratio. Achieving 20,000 lumens and weighing less than 100 lbs., the Christie® D20WU-HS and D20HD-HS are the lightest and brightest 1DLP laser projectors on the market. This powerhouse performance makes the D20WU-HS and D20HD-HS viable alternatives to similarly bright 3DLP projectors.

These projectors are not only bright. They produce amazing, true-to-life visuals too. This is thanks to the enhanced color accuracy of Christie's patented BoldColor Technology and HD or WUXGA resolution. With built-in Christie Twist™, users have the tools needed to quickly and easily set up and align irregular screens and multi-projector displays.

**CHRISTIE®**

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		Christie D20WU-HS	Christie D20HD-HS
Image	brightness (lumens)	• 20,600 ISO • 18,500 ANSI	• 18,500 ISO • 16,500 ANSI
	color wheel	• 4 segment (RGBY) - 2X or 3X 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 0.96" DMD	
	native resolution	• 1920 x 1200 (2,304,000 pixels) 16:10	• 1920 x 1080 (2,073,600 pixels) 16:9
Illumination	type	• Laser phosphor with Christie BoldColor Technology	
	typical lifetime	• 20,000 hrs to 50%	
Signal inputs	standard	• HDMI x 2 (one on rear panel, one on bottom of projector, independently selectable) • 3GSDI x 1 (BNC) • DVI-D x 1 (digital only) • HD15 x 1 • USB x 1 (Type B mini) • Display over USB • USB x 1 (Type A) • Image Viewer or Wi-Fi® dongle (optional) • HDBaseT (RJ45 x 1)	
	signals	• HDTV formats VGA through to WUXGA (1920 x 1200) • Horizontal and vertical scaling while maintaining aspect ratio, all inputs	
	3D	• HDMI 1.4, HDBaseT - frame packed, top/bottom, side-by-side (up to 120Hz output) • 3D sync in (BNC) - for genlocking projectors • 3D sync out (BNC) - for genlocking projectors, or controlling emitters	
	pixel clock	• 162MHz	
	scan rates	• Horizontal: 15kHz to 91kHz • Vertical: 24Hz to 85Hz	
	Signal outputs	monitor out (loop-through)	• 3GSDI x 1 (BNC) • DVI-D x 1 (Digital out)
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 • 12VDC trigger at 200mA (ID:2.5mm)	
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	• 0.84-1.02:1 zoom lens (no zoom/focus memory) • 1.02-1.36:1 zoom lens (no zoom/focus memory) • 1.2-1.5:1 zoom lens (full ILS) • 1.5-2.0:1 zoom lens (full ILS) • 2.0-4.0:1 zoom lens (full ILS) • 4.0-7.0:1 zoom lens (full ILS)	
	offsets for full ILS lenses	• ±120% Vertical • ±50% Horizontal	• ±133% Vertical • ±50% Horizontal
	offsets for 0.84-1.02:1	• +37/-60% Vertical • +15/-44% Horizontal	• +110/-86% Vertical • +34/-39% Horizontal
	offsets for 1.02-1.36:1	• +51/-53% Vertical • +11/-50% Horizontal	• +125/-98% Vertical • +42/-47% 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 • Lens adapter for E Series lenses • 1DWUSB-BGN (wireless dongle for video and control) • Christie HS Series fog filter refills (1 set) • Christie HS Series fog filter covers and filters (order once per projector then only filter refills) • 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 mode: 200-240 VAC @ 50/60Hz with a 10A fuse	
	power consumption	• Maximum: 1880W • ECO1 mode (80%): 1504W • ECO2 mode (50%): 940W	
	operating current	• Maximum: WLAN mode: < 8.0W • Maximum: standby mode: <0.5W	
	dissipation	• Maximum BTU: 6653 BTU/hr	
Audible noise		• Typical: 45dBA • Eco mode: 39dBA	
Physical	size	• (L x W x H) 26.65 x 23.46 x 7.99" (677 x 596 x 203mm) w/o feet	
	shipping size	• (L x W x H) 36.34 x 33.19 x 20.2" (923 x 843 x 513mm)	
	weight (w/o lens)	• 93.7lbs (42.5kg)	
	shipping weight	• 119lbs (54kg)	
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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