

# CHRISTIE HS SERIES D20WU-HS / D20HD-HS

Auditoriums | Enterprise venues and boardrooms | Entertainment venues | 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 95lbs, the Christie® D20WU-HS and D20HD-HS are the lightest and brightest 1DLP® laser projectors on the market. This powerhouse performance provides a viable alternative to similarly bright 3DLP projectors.

Not only are they bright, they produce amazing, true-to-life visuals thanks to the enhanced color accuracy of Christie's 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.

These projectors come with the option to add Christie Mystique® automated camera-based alignment software, letting you quickly stage, install, align, and recalibrate multi-projection systems in minutes.

**CHRISTIE®**

Technical specifications		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: 6000:1 • 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 (2,073,000 pixels) 16:9
Illumination	type	• Laser phosphor with Christie BoldColor™ Technology	
	performance	• 20,000 hrs to 50% brightness	
Signal Inputs	standard	• HDMI x 2 (HDCP 2.2) (one on side panel, one on bottom) • 3GSDI x 1 (BNC) • DVI-D x 1 (digital only) • VGA x 1 • USB x 1 (Type A) • 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); frame sequential @ 1080P up to 120Hz. • 3D sync in (BNC) - for genlocking projectors • 3D sync out (BNC) - for genlocking projectors, or controlling emitter or polarizer	
	pixel clock	• 162 MHz	
	scan rates	• Horizontal: 15-91kHz • Vertical: 24-120Hz	
	monitor out (loop-through)	• 3GSDI x 1 (BNC) • HDMI x 1 (HDMI out)	
Control and networking		• HDBaseT (RJ45 x 1) • RJ45 x 1 (Ethernet Control over wired network connection) • RS232 x 1 • Built-in backlit keypad • IR Remote • Remote in: 3.5mm stereo female (provides serial communications and power) • Loop out available for daisy chaining • DC JACK 12VDC, 200 mA.	
Warping and blending	mount type	• Christie Twist™	
	optional	• Christie Twist Premium and Twist Pro • Christie Mystique® automated camera-based alignment	
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	• 0.38:1 UST lens • 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)	
		• +100/-55% Vertical • +4/-28% Horizontal	• +120%/-65% Vertical • +7%/-15% Horizontal
		• +108/-74% Vertical • +29/-42% Horizontal	
	offsets for 0.38:1 UST lens	• +108/-74% Vertical • +29/-42% Horizontal	
	offsets for 0.84-1.02:1	• +124/-98% Vertical • +40/-49% Horizontal	
	offsets for 1.02-1.36:1	• +140% Vertical • ±50% Horizontal	
Accessories	standard	• IR remote with wired remote jack (wire not included) • AC line cord for projector • Product Safety Guide	
	optional	• Christie One Mount Plus (140-117100-XX) • One Mount Extender Rod (121-125109) • One Mount Rigging Kit (used with One Mount, One Mount Plus Extender Rod) (121-126100-XX) • Christie One Rigging Frame (140-113106-XX) • WiFi Dongle (133-113106-XX) • Fog Filter with Frame (003-005714-XX) • Fog Filter module (003-005715-XX)	
Power requirements	operating voltage	• Normal mode: 200-240 VAC @ 50/60Hz with 15A fuse	
	power consumption	• Normal mode: 1710W • Eco1 mode: 1380W • Eco2 mode: 830W	
	operating current	• Normal mode: 9A (200-240 VAC)	
	dissipation	• Normal mode: 5835 BTU/hr • Eco1 mode: 4709 BTU/hr • Eco2 mode: 2832 BTU/hr	
Audible noise		• Standard mode: 44dB(A) • Eco2 mode: 36dB(A) (2x wheel speed) • Standard mode: 45dB(A) • Eco2 mode: 39dB(A) (3x wheel speed)	
Physical	size	• (L xWxH) 26.65 x 23.46 x 7.99" (677 x 596 x 203mm) w/o feet	
	shipping size	• (L xWxH) 37.99 x 31.30 x 14.37" (965 x 795 x 365mm)	
	weight	• 91.52lb (41.6kg)	
	shipping weight	• 117.7lb (53.3kg)	
Operating environment	temperature	• 32-104°F (0-40°C)	
	humidity	• 10-85% non-condensing	
Regulatory		• This product conforms to all relevant European directives, standards, safety, health and environmental concerns • Directives: RoHS • REACH • WEEE • Contact Christie for timing of certifications: UL/CSA/IEC 60950-1 • FCC Class A • cTUVus • CE • FDA • CCC • KC • PSE • EAC • BIS • VCCI • RCM • TER • Mexico • BSMI	
Warranty		• Three years parts and labor on the projector • Three years or 20,000 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> Reference the Christie Standard Limited Warranty document for details.

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

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