

# CHRISTIE HS SERIES D16WU-HS / D16HD-HS

Auditoriums | Enterprise venues and boardrooms | Entertainment venues | Houses of worship  
Hotels | Live events and conferences | Rental and staging | Trade shows and exhibitions

## Power is freedom.

Enjoy the freedom of unrestricted power. Hitting 16,000 lumens, the Christie® D16WU-HS and D16HD-HS are the lightest and brightest 1DLP® laser projectors to operate at full-brightness on a single 12A, 120V circuit. There's no need for high-power runs. Simply plug it into a standard 120V outlet and start the show!

Visuals are stunning thanks to the enhanced color accuracy of Christie's BoldColor™ Technology and HD or WUXGA resolution.

The long-lasting and reliable laser light source and affordability of 1DLP technology means these projectors are a cost-effective option for high-use applications. 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 D16WU-HS

## Christie D16HD-HS

Image	brightness (lumens)	<ul style="list-style-type: none"> <li>• 17,400 ISO</li> <li>• 15,500 ANSI</li> </ul>	<ul style="list-style-type: none"> <li>• 15,750 ISO</li> <li>• 14,000 ANSI</li> </ul>
	color wheel	• 4 segment (RGBY) - 2X or 3X speed	
	contrast (nominal)	<ul style="list-style-type: none"> <li>• Full on/off (Christie RealBlack™ enabled): 2,000,000:1</li> <li>• Full on/off (Christie RealBlack disabled): 1200:1</li> <li>• ANSI 250:1</li> </ul>	
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	<ul style="list-style-type: none"> <li>• HDMI x 2 (HDCP 2.2) (one on side panel, one on bottom)</li> <li>• 3GSDI x 1 (BNC)</li> <li>• DVI-D x 1 (digital only)</li> <li>• VGA x 1</li> <li>• USB x 1 (Type A)</li> <li>• Wi-Fi® dongle (optional)</li> <li>• HDBaseT (RJ45) x 1</li> </ul>	
	signals	<ul style="list-style-type: none"> <li>• HDTV formats VGA through to WUXGA (1920 x 1200)</li> <li>• Horizontal and vertical scaling while maintaining aspect ratio (all inputs)</li> </ul>	
	3D	<ul style="list-style-type: none"> <li>• HDMI 1.4, HDBaseT - frame packed, top/bottom, side-by-side (up to 120Hz output); frame sequential @ 1080P up to 120Hz.</li> <li>• 3D sync in (BNC) - for genlocking projectors</li> <li>• 3D sync out (BNC) - for genlocking projectors, or controlling emitter or polarizer</li> </ul>	
	pixel clock	• 162 MHz	
	scan rates	• Horizontal: 15-91kHz • Vertical: 24-120Hz	
Signal outputs	monitor out (loop-through)	• 3GSDI x 1 (BNC) • HDMI x 1 (HDMI out)	
Control and networking		<ul style="list-style-type: none"> <li>• HDBaseT (RJ45 x 1) • RJ45 x 1 (Ethernet Control over wired network connection)</li> <li>• RS232 x 1</li> <li>• Built-in backlit keypad • IR Remote</li> <li>• Remote in: 3.5mm stereo female (provides serial communications and power)</li> <li>• Loop out available for daisy chaining • DC JACK 12VDC, 200 mA.</li> </ul>	
	Warping and blending	mount type	• Christie Twist™
	optional	<ul style="list-style-type: none"> <li>• Christie Twist Premium and Twist Pro</li> <li>• Christie Mystique® automated camera-based alignment</li> </ul>	
Lenses	mount type	<ul style="list-style-type: none"> <li>• Boresight adjustable • Motorized horizontal and vertical lens offset (memory available)</li> <li>• Motorized zoom and focus adjustment (memory available for full ILS lenses)</li> </ul>	
	lens options	<ul style="list-style-type: none"> <li>• 0.38:1 UST lens • 0.84-1.02:1 zoom lens (no zoom/focus memory)</li> <li>• 1.02-1.36:1 zoom lens (no zoom/focus memory)</li> <li>• 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)</li> <li>• 4.0-7.0:1 zoom lens (full ILS)</li> </ul>	
	offsets for 0.38:1 UST lens	<ul style="list-style-type: none"> <li>• +100/-55% Vertical</li> <li>• +4/-28% Horizontal</li> </ul>	<ul style="list-style-type: none"> <li>• +120%/-65% Vertical</li> <li>• +7%/-15% Horizontal</li> </ul>
	offsets for 0.84-1.02:1	• +108/-74% Vertical • +29/-42% Horizontal	
	offsets for 1.02-1.36:1	• +124/-98% Vertical • +40/-49% Horizontal	
	offsets for full ILS Lenses	• ±140% Vertical • ±50% Horizontal	
Accessories	standard	<ul style="list-style-type: none"> <li>• IR remote with wired remote jack (wire not included) • AC line cord for projector • Product Safety Guide</li> </ul>	
	optional	<ul style="list-style-type: none"> <li>• Christie One Mount Plus (140-117100-XX)</li> <li>• One Mount Extender Rod (121-125109)</li> <li>• One Mount Rigging Kit (used with One Mount, One Mount Plus Extender Rod) (121-126100-XX)</li> <li>• Christie One Rigging Frame (140-113106-XX)</li> <li>• WiFi Dongle (133-113106-XX)</li> <li>• Fog Filter with Frame (003-005714-XX) • Fog Filter module (003-005715-XX)</li> </ul>	
Power requirements	operating voltage	• Normal mode: 120-240 VAC @ 50/60Hz with 15A fuse	
	power consumption	• Normal mode: 1410 W • Eco1 mode: 1150W Eco2 mode: 700W	
	operating current	• Normal mode: 7A (200-240VAC), 12A (120 VAC)	
	dissipation	• Normal mode: 4811 BTU/hr • Eco1 mode: 3924 BTU/hr • Eco2 mode: 2388 BTU/hr	
Audible noise		<ul style="list-style-type: none"> <li>• Standard mode: 41dB(A) • Eco2 mode: 35dB(A) (2x wheel speed)</li> <li>• Standard mode: 42dB(A) • Eco2 mode: 37dB(A) (3x wheel speed)</li> </ul>	
	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 x365mm)	
	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		<ul style="list-style-type: none"> <li>• This product conforms to all relevant European directives, standards, safety, health and environmental concerns</li> <li>• Directives: RoHS • REACH • WEEE • Contact Christie for timing of certifications: UL/CSA/IEC 60950-1</li> <li>• FCC Class A • cTUVus • CE • FDA • CCC • KC • PSE • EAC • BIS • VCCI • RCM • TER • Mexico • BSMI</li> </ul>	
Warranty		<ul style="list-style-type: none"> <li>• Three years parts and labor on the projector</li> <li>• Three years or 20,000 hours parts and labor on the illumination system<sup>1</sup></li> <li>• Contact an authorized Christie representative for full details of our limited warranty</li> </ul>	

<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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