

# 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)	<ul style="list-style-type: none"> <li>• 20,600 ISO</li> <li>• 18,500 ANSI</li> </ul>	<ul style="list-style-type: none"> <li>• 18,500 ISO</li> <li>• 16,500 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 • Dynamic contrast: 6000:1</li> <li>• Full on/off (Christie RealBlack disabled): 1200:1 • 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) • 3GSDI x 1 (BNC)</li> <li>• DVI-D x 1 (digital only) • VGA x 1 • USB x 1 (Type A) • Wi-Fi® dongle (optional) • 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	• 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)	
	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 1.02-1-1.36:1	• +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: 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		<ul style="list-style-type: none"> <li>• Standard mode: 44dB(A) • Eco2 mode: 36dB(A) (2x wheel speed)</li> <li>• Standard mode: 45dB(A) • Eco2 mode: 39dB(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)

Copyright 2021 Christie Digital Systems USA, Inc. All rights reserved. All brand names and product names are trademarks, registered trademarks or tradenames of their respective holders. "Christie" is a trademark of Christie Digital Systems USA, Inc., registered in the United States of America and other countries. DLP® and the DLP logo are registered trademarks of Texas Instruments. Performance specifications are typical. Due to constant research, specifications are subject to change without notice. CD1917\_Christie HS Series\_D20\_Datasheet\_April 2021-EN



**CHRISTIE**®