

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 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.

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: 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	
	performance	• 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) • 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 emitter or polarizer	
	pixel clock	• 162 MHz	
	scan rates	• Horizontal: 15-91kHz • Vertical: 24-85Hz	
	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)	
Warping and blending	standard	• 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)	
	offsets for full ILS lenses	• ±120% Vertical • ±50% Horizontal	• ±140% Vertical • ±50% Horizontal
	offsets for 0.84-1.02:1	• +111/-43% Vertical • +21/-35% Horizontal	• +108/-74% Vertical • +29/-42% Horizontal
	offsets for 1.02:1-1.36:1	• +110/-66% Vertical • +32/-46% Horizontal	• +125/-98% Vertical • +40/-49% 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 xWxH) 26.65 x 23.46 x 7.99" (677 x 596 x 203mm) w/o feet	
	shipping size	• (L xWxH) 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 ¹ • Contact an authorized Christie representative for full details of our limited warranty	

¹ Please reference Christie Standard Limited Warranty document for details.

For the most current specification information, please visit christiedigital.com



Copyright 2019 Christie Digital Systems USA, Inc. All rights reserved. All brand names and product names are trademarks, registered trademarks or tradenames of their respective holders. Performance specifications are typical. Due to constant research, specifications are subject to change without notice. 4796 Nov 19



CHRISTIE®