

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®

		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 ¹ • Contact an authorized Christie representative for full details of our limited warranty	

¹Please reference Christie Standard Limited Warranty document for details.

Corporate offices

Christie Digital Systems USA, Inc.
Cypress
ph: 714 236 8610

Christie Digital Systems Canada Inc.
Kitchener
ph: 519 744 8005

Worldwide offices

Australia
ph: +61 (0) 7 3624 4888

Brazil
ph: +55 (11) 2548 4753

China (Beijing)
ph: +86 10 6561 0240

China (Shanghai)
ph: +86 21 6030 0500

Columbia
ph: +57 (318) 447 3179

Eastern Europe
ph: +36 (0) 1 47 48 138

France
ph: +33 (0) 1 41 21 44 04

Germany (Cologne)
ph: +49 221 99 512-0

Germany (Moechengladbach)
ph: +49 2161 566200

India
ph: +91 (080) 6708 9999

Japan
ph: +81 3 3599 7481

Mexico
ph: +52 55 4744 1790

Republic of South Africa
ph: +27 11 251 0000

Singapore
ph: +65 6877 8737

South Korea
ph: +82 2 702 1601

Spain
ph: +34 91 633 9990

United Arab Emirates
ph: +971 (0) 4 503 6800

United Kingdom
ph: +44 (0) 118 977 8000

United States (Arizona)
ph: 602 943 5700

United States (New York)
ph: 646 779 2014

**Independent sales
consultant offices**

Italy
ph: +39 (0) 2 9902 1161

Russia
ph: +7 (495) 930 8961



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

Copyright 2018 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 Digital Systems Canada Inc.'s management system is registered to ISO 9001 and ISO 14001. Performance specifications are typical. Due to constant research, specifications are subject to change without notice.
Printed in Canada on recycled paper. 4695 May 18

CHRISTIE®