

# CHRISTIE HS SERIES DWU19-HS / DWU23-HS

Hospitality | Large venues | Live events | Meeting rooms and boardrooms  
Museums | Places of worship | Rental and staging | Theme parks and attractions

## High-brightness performance. Light-weight design.

Achieving 19,150 and 23,650 lumens and weighing less than 92lbs (41.6kg), the Christie® DWU19-HS and DWU23-HS have an excellent lumen-to-weight ratio.

Your audience will enjoy incredible high brightness and WUXGA resolution, plus enhanced color performance—with deeper blacks, and more natural and realistic onscreen visuals—thanks to our Christie BoldColor+™ technology. This powerhouse performance provides a viable alternative to similarly bright 3DLP projectors.

With built-in Christie Twist™ you can quickly and easily set up and align irregular screens and multi-projector displays.

The option to add Christie Mystique™ automated camera-based alignment software lets you quickly stage, install, align, and recalibrate multi-projection systems in minutes.

And as if that wasn't enough, these HS Series models come with a 5-year warranty and they support active and passive polarized 3D right out of the box.



**CHRISTIE®**

Technical specifications		DWU19-HS / DWU19A-HS (TAA)	DWU23-HS / DWU23A-HS (TAA)
Image	brightness (lumens)	• 19,150 ISO • 17,000 ANSI	• 23,650 ISO • 21,000 ANSI
	color wheel	• 3 segment (RGB) - 3X speed	
	contrast (nominal)	• Christie RealBlack™ enabled: 4,000,000:1 • Christie RealBlack disabled: 1200:1	• Dynamic contrast: 6000:1
Display technology	type	• 1 x 0.96" DMD	
	native resolution	• 1920 x 1200 (2,304,000 pixels) (16:10)	
Illumination	type	• Laser phosphor with Christie BoldColor+™ technology utilizing a blue and a red laser	
	performance	• 20,000 hours to 50% brightness	
Signal Inputs	standard	• HDMI 2.0b x 2 (HDCP 1.4/2.2) (one on rear panel, one on bottom) • 3G-SDI x 1 (BNC) • DP x 1 • USB x 1 (Type A) • WiFi dongle (optional) • HDBaseT (RJ45) x 1	
	signals	• 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 • Active shuttered and passive polarized stereoscopic 3D	
	pixel clock	• 600 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		• 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 optional	• Christie Twist™ • Christie Twist Premium and Twist Pro • Christie Mystique™ automated camera-based alignment
TAA-compliant		• Yes	
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	
	zoom/focus memory	• 0.65-0.75 zoom lens • 1.2-1.5:1 zoom lens • 1.5-2.0:1 zoom lens • 2.0-4.0:1 zoom lens • 4.0-7.0:1 zoom lens • 7.2-10.8 zoom lens	
	no zoom/focus memory	• 0.84-1.02:1 zoom lens • 1.02-1.36:1 zoom lens	
	offsets for 0.38:1 UST lens	• +100/-55% Vertical • +4/-28% Horizontal	
	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	
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) • Fog Filter with Frame (003-005714-XX) • Fog Filter module (003-005715-XX)
Power requirements	operating voltage	• Normal mode: 200-240 VAC, 50/60Hz, 6.5A, or 110VAC~, 50/60Hz, 12A for US only	• Normal mode: 110VAC~, 50/60Hz, 12A for US only
	power consumption	• Normal: 1270W • Eco1: 1024W • Eco2: 640W	• Normal: 1604W • Eco1: 1284W • Eco2: 802W
	operating current	• Normal mode: 6.5A (200-240 VAC), 12A (110 VAC)	• Normal mode: 8.5A (200-240 VAC)
	dissipation @ 110V	• Normal: 4234 BTU/hr • Eco1: 3385 BTU/hr	
	dissipation @ 220V	• Normal: 4037 BTU/hr • Eco1: 3228 BTU/hr	• Normal: 5302 BTU/hr • Eco1: 4006 BTU/hr
Audible noise		• Standard: 41dBA • Eco2: 35dBA (2x wheel speed) • Standard: 42dBA • Eco2: 37dBA (3x wheel speed)	• Standard: 44dBA • Eco2: 36dBA (2x wheel speed) • Standard: 45dBA • Eco2: 39dBA (3x wheel speed)
	Physical	size	• (LxWxH) 26.65 x 23.46 x 7.99" (677 x 596 x 203mm) without feet
	shipping size	• (LxWxH) 37.99 x 31.30 x 14.37" (965 x 795 x 365mm)	
	weight	• 91.5lb (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 • Mexico • BSMI	
Warranty		• Five years parts and labor on the projector • Five 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)

Copyright 2023 Christie Digital Systems USA, Inc. All rights reserved. Our centers of excellence for manufacturing in Kitchener, Ontario, Canada and in Shenzhen, China are ISO 9001:2015 Quality Management System-certified. 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 certain 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.  
CD3862-DWU1923-HS-datasheet-Sept-23-EN

