

# 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.

No other 1DLP® laser projector has a better lumen-to-weight ratio. Achieving 19,000 to over 23,600 lumens and weighing less than 92lbs (41.6kg), the Christie® DWU19-HS and DWU23-HS are the lightest and brightest 1DLP laser projectors on the market. This powerhouse performance provides a viable alternative to similarly bright 3DLP projectors.

Your audience will enjoy incredible brightness and WUXGA resolution, plus enhanced color performance—with deeper blacks, and more natural and realistic onscreen visuals—thanks to our new Christie BoldColor+™ technology.

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	• 4 segment (RGBY) - 2X or 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	
	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		
offsets for full ILS Lenses	• ±140% Vertical • ±50% 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: 120-240 VAC @ 50/60Hz	• Normal mode: 200-240 VAC @ 50/60Hz
	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
Physical	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)

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