

CHRISTIE JAZZ SERIES

DWU1800-JS / DWU2400-JS / 4K1600- JS / 4K2100-JS

Corporate | Hospitality & tourism | Museums | Places of worship | Rental & staging | Theme parks & attractions

Performance-built, full-featured laser projectors
Professional-grade, fixed-lens 1DLP laser projectors that prove budget-friendly projectors can have powerful capabilities.



Christie TAA-compliant products are high-performing, reliable, and secure.

Reliability you can trust

Get extra peace of mind with our industry-leading five-year warranty and virtually maintenance-free operation that works for you 24/7.

Complete solutions that work for you

Jazz Series seamlessly integrates into a complete Christie solution with features like onboard Twist™ warping and blending, optional Mystique™ automated camera-based alignment, and compatibility with Christie Intelligent Camera.

Key features

- › **Dynamic contrast for lifelike imagery** : Dive into a world of depth and detail with a dynamic contrast ratio of 25,000:1.
- › **Cutting edge, advanced electronics** : Texas Instrument's 0.8" HEP DMD and optical design give you improved color, contrast, and a more efficient cooling system design.
- › **Wide range of lens options** : With nine interchangeable lenses, including ultra-short throw, you can find the lens that works best for your project.
- › **Reliable laser light source** : 20,000 hours in Standard mode and 50,000 hours in ECO1 mode.



Technical specifications		DWU1800-JS / DWU1800A-JS (TAA)	DWU2400-JS / DWU2400A-JS (TAA)
Image	brightness (lumens)	• 17,800 ISO • 15,000 ANSI	• 23,750 ISO • 20,000 ANSI
	color wheel	• 4 segment - 3X speed	
	contrast (nominal)	• Christie RealBlack™ enabled: 4,000,000:1 • Christie RealBlack disabled: 1,500: 1 (Native) • Dynamic contrast: 25,000:1 (Center)	
Display technology	type	• 1 x 0.8" HEP DMD	
	resolution	• 1920 x 1200 (2,304,000 pixels) (16:10)	
Illumination	type	• High efficiency blue laser phosphor	
	performance	• 20,000 hours to 50% brightness at full power mode • 50,000 hours to 50% brightness at ECO1 mode	
Signal Inputs	standard	• HDMI 2.0b x 2 (HDCP 1.4/2.2) • 3G-SDI x 1 (BNC) • Display Port x 1(1.2a) • USB 2.0 x 1 (Type A) • HDBaseT (RJ45) x 1	
	signals	• Horizontal and vertical scaling while maintaining aspect ratio (all inputs)	
	3D	• Active shuttered • HDMI 1.4, HDBaseT - frame packing, top/bottom, side-by-side frame sequential at 1080p up to 120 Hz. • 3D sync in (BNC) - for genlocking projectors • 3D sync out (BNC) - for genlocking projectors, or controlling emitter or polarizer	
	pixel clock	• 600MHz	
	scan rates	• Horizontal: 15.375 kHz ~ 135.0 kHz ; Vertical: 23.98 Hz ~ 120 Hz	
	Signal Outputs	monitor out (loop-through)	• 3G-SDI 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 • Remote in: 3.5mm stereo female (provides serial communications and power) • DC JACK 12 VDC, 200 mA	
	Warping and blending	mount type	• Christie Twist™
	optional	• 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	• 0.46:1 UST lens	
	zoom/focus memory	• 0.78-0.9:1 zoom lens • 0.9-1.3:1 zoom lens • 1.3-1.8:1 zoom lens • 1.44-1.8:1 zoom lens • 1.8-2.4:1 zoom lens • 2.4-4.8:1 zoom lens • 4.8-8.64:1 zoom lens • 8.64-12.96 zoom lens	
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-XX) • Christie One Rigging Frame V2 (140-155102-XX)	• Christie Intelligent Camera (156-155102-XX) • One Mount Rigging Kit (used with One Mount, One Mount Plus Extender Rod) (121-126100-XX)
Power requirements	operating voltage	• Normal mode: 100-240 VAC at 50/60 Hz	• Normal mode: 100-240 VAC at 50/60 Hz • Supports 100-120 VAC at reduced power with 80% brightness level output
	power consumption (25°C, 220V)	• Normal: 1,000W • Eco1: 830W • Eco2: 600W	• Normal: 1,360W • Eco1: 1,060W • Eco2: 740W
	operating current	• Normal mode: 3.99A (220-240 VAC) • 7.62A (100-120 VAC)	• Normal mode: 5.57A (220-240 VAC) • 8.79A (100-120 VAC)
	dissipation @ 220V	• Normal: 2,996 BTU/hr • Eco1: 2,348 BTU/hr • Eco2: 1,515 BTU/hr	• Normal: 4,187 BTU/hr • Eco1: 3,282 BTU/hr • Eco2: 2,118 BTU/hr
Audible noise		• Standard: 44dBA (Max.) • Eco2: 40dBA (Max.) • Standard: 47dBA (Max.) • Eco2:42dBA (Max.)	
Physical	size	• (LxWxH) 23.6 x 20.5 x 7.6" (600 x 520 x 193mm) without feet	
	shipping size	• (LxWxH) 38 x 31.30 x 14.6" (965 x 795 x 370mm)	
	weight	• 64.76lbs (29.4kg)	
	shipping weight	• 94.71lbs (43.0kg)	
Operating environment	temperature	• 32-113 F (0-45 C) (0 - 2,500 feet altitude)	
	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 • Contact an authorized Christie representative for full details of our limited warranty	
Special Features		• 21:9 aspect ratio support and customize EDID. • Fade in & fade out control for shutter function	

Technical specifications		4K1600-JS / 4K1600A-JS (TAA)	4K2100-JS / 4K2100A-JS (TAA)
Image	brightness (lumens)	• 16,600 ISO • 14,000 ANSI	• 21,350 ISO • 18,000 ANSI
	color wheel	• 4 segment - 4X speed	
	contrast (nominal)	• Christie RealBlack™ enabled: 4,000,000:1 • Christie RealBlack disabled: 1,500: 1 (Native) • Dynamic contrast: 25,000:1 (Center)	
Display technology	type	• 1 x 0.8" HEP DMD	
	resolution	• 3840 x 2400 (9,216,000 pixels) (16:10)	
Illumination	type	• High efficiency blue laser phosphor	
	performance	• 20,000 hours to 50% brightness at full power mode • 50,000 hours to 50% brightness at ECO1 mode	
Signal Inputs	standard	• HDMI 2.0b x 2 (HDCP 1.4/2.2) • 12G-SDI x 1 (BNC) • Display Port x 1(1.2a) • USB 2.0 x 1 (Type A) • HDBaseT 3.0 (RJ45) x 1	
	signals	• Horizontal and vertical scaling while maintaining aspect ratio (all inputs)	
	3D	• Active shuttered and passive polarized stereoscopic 3D • HDMI 2.0b, HDBaseT - frame packing, top/bottom, side-by-side 1080P at 60 Hz • frame sequential at WUXGA(RB) up to 120 Hz. • 4K passive 3D 3840 x 2160 at 60 Hz, 4K passive 3D Dual Pipe 3840 x 2160 at L-60 Hz and R-60 Hz • 3D sync in (BNC) - for genlocking projectors • 3D sync out (BNC) - for genlocking projectors, or controlling emitter or polarizer	
	pixel clock	• 600MHz	
	scan rates	• Horizontal: 15.375 kHz ~ 135.0 kHz ; Vertical: 23.98 Hz ~ 120 Hz	
	Signal Outputs	monitor out (loop-through)	• 12G-SDI x 1 (BNC) • HDMI x 1 (HDMI out)
Control and networking		• HDBaseT 3.0 (RJ45 x 1) • RJ45 x 1 (Ethernet Control over wired network connection) • RS232 x 1 • Remote in: 3.5mm stereo female (provides serial communications and power) • DC JACK 12VDC, 200 mA max.	
	Warping and blending	mount type	• Christie Twist™
	optional	• 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	• 0.46:1 UST lens	
	zoom/focus memory	• 0.78-0.9:1 zoom lens • 0.9-1.3:1 zoom lens • 1.3-1.8:1 zoom lens • 1.44-1.8:1 zoom lens • 1.8-2.4:1 zoom lens • 2.4-4.8:1 zoom lens • 4.8-8.64:1 zoom lens • 8.64-12.96 zoom lens	
Accessories	standard	• IR remote with wired remote jack (wire not included) • AC line cord for projector • Product Safety Guide	
	optional	• Christie Intelligent Camera (156-155102-XX) • One Mount Rigging Kit (used with One Mount, One Mount Plus Extender Rod) (121-126100-XX)	• Christie Intelligent Camera (156-155102-XX) • One Mount Rigging Kit (used with One Mount, One Mount Plus Extender Rod) (121-126100-XX)
Power requirements	operating voltage	• Normal mode: 100-240 VAC at 50/60 Hz	• Normal mode: 100-240 VAC at 50/60 Hz • Supports 100-120 VAC at reduced power with 80% brightness level output.
	power consumption (25°C, 220V)	• Normal: 1,090W • Eco1: 910W • Eco2: 650W	• Normal: 1,410W • Eco1: 1,150W • Eco2: 780W
	operating current	• Normal mode: 4.95A (220-240 VAC) • 10.15A (100-120 VAC)	• Normal mode: 6.41A (220-240 VAC) • 10.76A (100-120 VAC)
	dissipation @ 220V	• Normal: 3,719 BTU/hr • Eco1: 3,105 BTU/hr • Eco2: 2,218 BTU/hr	• Normal: 4,811 BTU/hr • Eco1: 3,924 BTU/hr • Eco2: 2,661 BTU/hr
Audible noise		• Standard: 45dBA (Max.) • Eco2: 43dBA (Max.)	• Standard: 49dBA (Max.) • Eco2:45dBA (Max.)
Standby power	Lan off	• < 0.3W	
	Lan on	• < 6W	
Physical	size	• (LxWxH) 23.6 x 20.5 x 7.6" (600 x 520 x 193mm) without feet	
	shipping size	• (LxWxH) 38 x 31.30 x 14.6" (965 x 795 x 370mm)	
	weight	• 64.76lbs (29.4kg)	
	shipping weight	• 94.71lbs (43.0kg)	
Operating environment	temperature	• 32-113 F (0-45 C) (0 - 2,500 feet altitude)	
	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 • Contact an authorized Christie representative for full details of our limited warranty	
Special Features		• 21:9 aspect ratio support and customize EDID. • Fade in & fade out control for shutter function • High Frame Rate 1080P at 240 Hz • Support Control System : Crestron Roomview V2 • PJLink V2 • AMX - Device Discovery	

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