

# CHRISTIE JAZZ SERIES

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

Corporate | Hospitality & tourism | Museums | Worship | Rental & staging | Theme parks & attractions

Outstandingly bright with up to 23,750 lumens, impressively light with a chassis that weighs less than 65 lbs (30 kg), and incredibly priced.



## 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.

## 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.

## 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 Instruments' 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 two ultra-short throw lenses, 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.



CHRISTIE®

## Technical specifications

## DWU1800-JS / DWU1800A-JS (TAA)

## DWU2400-JS / DWU2400A-JS (TAA)

Image	brightness <sup>1</sup>	<ul style="list-style-type: none"> <li>• 17,800 ISO lumens</li> <li>• 15,000 ANSI lumens</li> </ul>	<ul style="list-style-type: none"> <li>• 23,750 ISO lumens</li> <li>• 20,000 ANSI lumens</li> </ul>
	color wheel	<ul style="list-style-type: none"> <li>• 4 segment - 3X speed</li> </ul>	
	contrast (nominal)	<ul style="list-style-type: none"> <li>• 1,500:1 Full On/Off</li> <li>• 25,000:1 Dynamic contrast</li> <li>• 4,000,000:1 with Christie RealBlack™ enabled</li> </ul>	
Display technology	type	<ul style="list-style-type: none"> <li>• 1 x 0.8" HEP DMD</li> </ul>	
	resolution	<ul style="list-style-type: none"> <li>• WUXGA 1920 x 1200 (2,304,000 pixels) (16:10)</li> </ul>	
Illumination	type	<ul style="list-style-type: none"> <li>• High-efficiency blue laser phosphor</li> </ul>	
	performance	<ul style="list-style-type: none"> <li>• 20,000 hours to 50% brightness at full power mode</li> <li>• 50,000 hours to 50% brightness at ECO1 mode</li> </ul>	
Signal Inputs	standard	<ul style="list-style-type: none"> <li>• HDMI 2.0b x 2 (HDCP 1.4/2.2) • 3G-SDI x 1 (BNC)</li> <li>• DisplayPort x 1 (1.2a) • USB 2.0 x 1 (Type A) • HDBaseT 1.0 (RJ45) x 1</li> </ul>	
	signals	<ul style="list-style-type: none"> <li>• Horizontal and vertical scaling while maintaining aspect ratio (all inputs)</li> </ul>	
	2D	<ul style="list-style-type: none"> <li>• HDMI and DisplayPort: 1920 x 1080 between 24-240 Hz</li> <li>• Display Port: 1920 x 1200 between 24-120 Hz</li> <li>• 3G HDS DI: 1920 x 1080 up to 60 Hz</li> </ul>	
	3D	<ul style="list-style-type: none"> <li>• Active shuttered 3D</li> <li>• Blu-Ray: frame packing, top/bottom, side-by-side at 720p, 1080p at 24-60 Hz frame sequential up to 120 Hz (up to 60 Hz per eye)</li> <li>• Active 3D input (HDMI and DP): 1920 x 1080 up to 120 Hz (up to 60 Hz per eye)</li> <li>• Active 3D input (DP only): 1920 x 1200 up to 120 Hz (up to 60 Hz per eye)</li> <li>• Dual input 3D (2x HDMI): 1920 x 1080 up to 120 Hz (up to 60 Hz per eye)</li> <li>• 3D sync in (BNC)</li> <li>• 3D sync out (BNC) to emitter</li> </ul>	
	pixel clock	<ul style="list-style-type: none"> <li>• 600 MHz</li> </ul>	
	scan rates	<ul style="list-style-type: none"> <li>• Horizontal: 15.375 kHz ~ 135.0 kHz ; Vertical: 23.98 Hz ~ 120 Hz</li> </ul>	
Signal Outputs	monitor out (loop-through)	<ul style="list-style-type: none"> <li>• 3G-SDI x 1 (BNC) • HDMI x 1 (HDMI out)</li> </ul>	
Control and networking		<ul style="list-style-type: none"> <li>• HDBaseT (RJ45 x 1)</li> <li>• RJ45 x 1 (Ethernet control over wired network connection)</li> <li>• RS232 x 1</li> <li>• Remote in: 3.5 mm stereo female (provides serial communications and power)</li> <li>• DC jack 12 VDC, 200 mA max</li> </ul>	
	standard	<ul style="list-style-type: none"> <li>• Christie Twist™</li> </ul>	
	optional	<ul style="list-style-type: none"> <li>• Twist Premium and Twist Pro</li> <li>• Mystique™ automated camera-based alignment</li> </ul>	
	TAA-compliant	<ul style="list-style-type: none"> <li>• Yes</li> </ul>	
Lenses	mount type	<ul style="list-style-type: none"> <li>• Boresight adjustable</li> <li>• Motorized horizontal and vertical lens offset (memory available)</li> <li>• Motorized zoom and focus adjustment (memory available for full ILS lenses)</li> </ul>	
	lens options	<ul style="list-style-type: none"> <li>• 0.34-0.37:1 ultra short throw lens • 0.46:1 ultra short throw lens</li> </ul>	
	zoom/focus memory	<ul style="list-style-type: none"> <li>• 0.78-0.9:1 zoom lens • 0.9-1.3:1 zoom lens • 1.3-1.8:1 zoom lens</li> <li>• 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</li> </ul>	
Accessories	standard	<ul style="list-style-type: none"> <li>• IR remote with wired remote jack (wire not included) • AC line cord for projector • Product Safety Guide</li> </ul>	
	optional	<ul style="list-style-type: none"> <li>• Christie® One Mount Plus (140-117100-XX)</li> <li>• One Mount Extender Rod (121-125109-XX)</li> <li>• Christie One Rigging Frame V2 (140-155102-XX)</li> </ul>	<ul style="list-style-type: none"> <li>• Christie Intelligent Camera (156-155102-XX)</li> <li>• One Mount Rigging Kit (used with One Mount, One Mount Plus Extender Rod) (121-126100-XX)</li> </ul>
Power requirements	operating voltage	<ul style="list-style-type: none"> <li>• Normal: 100-240 VAC at 50/60 Hz</li> </ul>	<ul style="list-style-type: none"> <li>• Normal: 100-240 VAC at 50/60 Hz</li> <li>• Supports 100-20 VAC at reduced power with 80% brightness level output</li> </ul>
	power consumption (25 C, 220 V)	<ul style="list-style-type: none"> <li>• Normal: 930W • ECO1: 760W • ECO2: 530W</li> </ul>	<ul style="list-style-type: none"> <li>• Normal: 1,290W • ECO1: 990W • ECO2: 670W</li> </ul>
	operating current	<ul style="list-style-type: none"> <li>• Normal: 4.23 A (220-240 VAC)</li> <li>• 8.73 A (100-120 VAC)</li> </ul>	<ul style="list-style-type: none"> <li>• Normal: 5.86 A (220-240 VAC)</li> <li>• 9.27 A (100-120 VAC)</li> </ul>
	dissipation at 220 V	<ul style="list-style-type: none"> <li>• Normal: 3,173 BTU/hr</li> <li>• ECO1: 2,593 BTU/hr</li> <li>• ECO2: 1,808 BTU/hr</li> </ul>	<ul style="list-style-type: none"> <li>• Normal: 4,401 BTU/hr</li> <li>• ECO1: 3,378 BTU/hr</li> <li>• ECO2: 2,286 BTU/hr</li> </ul>
Audible noise		<ul style="list-style-type: none"> <li>• Standard: 44dBA (max) • ECO2: 40dBA (max)</li> </ul>	<ul style="list-style-type: none"> <li>• Standard: 47dBA (max) • ECO2: 42dBA (max)</li> </ul>
Standby power	LAN off	<ul style="list-style-type: none"> <li>• &lt; 0.3W</li> </ul>	
	LAN on	<ul style="list-style-type: none"> <li>• &lt; 6W</li> </ul>	
Physical	size	<ul style="list-style-type: none"> <li>• (LxWxH) 23.6 x 20.5 x 7.6" (600 x 520 x 193 mm) without feet</li> </ul>	
	shipping size	<ul style="list-style-type: none"> <li>• (LxWxH) 38 x 31.30 x 14.6" (965 x 795 x 370 mm)</li> </ul>	
	weight	<ul style="list-style-type: none"> <li>• 64.76 lbs (29.4 kg)</li> </ul>	
	shipping weight	<ul style="list-style-type: none"> <li>• 94.71 lbs (43.0 kg)</li> </ul>	
Operating environment	temperature	<ul style="list-style-type: none"> <li>• 32-113 F (0-45 C) (0-2,500 ft. altitude)</li> </ul>	
	humidity	<ul style="list-style-type: none"> <li>• 10-85% non-condensing</li> </ul>	
Regulatory		<ul style="list-style-type: none"> <li>• This product conforms to all relevant European directives, standards, safety, health, and environmental concerns</li> <li>• Directives: RoHS • REACH • WEEE • Contact Christie for timing of certifications: UL/CSA/IEC 62368-1</li> <li>• FCC Class A • cTUVus • CE • FDA • CCC • KC • PSE • BIS • VCCI • RCM • Mexico • BSMI</li> </ul>	
Warranty		<ul style="list-style-type: none"> <li>• Five years parts and labor on the projector</li> <li>• Five years or 20,000 hours parts and labor on the illumination system</li> <li>• Contact an authorized Christie representative for full details of our limited warranty</li> </ul>	
Special Features		<ul style="list-style-type: none"> <li>• 21:9 aspect ratio support and customize EDID</li> <li>• Fade in &amp; fade out control for shutter function</li> <li>• Supports 4K 3840 x 2160 and 4096 x 2160 signal inputs</li> <li>• Supports control systems: Crestron Roomview V2 • PLink V2 • AMX - Device Discovery</li> </ul>	

<sup>1</sup> Brightness level is +/- 5%

Technical specifications		4K1600-JS / 4K1600A-JS (TAA)	4K2100-JS / 4K2100A-JS (TAA)
Image	brightness <sup>1</sup>	<ul style="list-style-type: none"> <li>• 16,600 ISO lumens</li> <li>• 14,000 ANSI lumens</li> </ul>	<ul style="list-style-type: none"> <li>• 21,350 ISO lumens</li> <li>• 18,000 ANSI lumens</li> </ul>
	color wheel	<ul style="list-style-type: none"> <li>• 4 segment - 4X speed</li> </ul>	
	contrast (nominal)	<ul style="list-style-type: none"> <li>• 1,500:1 Full On/Off</li> <li>• 25,000:1 Dynamic contrast</li> <li>• 4,000,000:1 with Christie RealBlack™ enabled</li> </ul>	
Display technology	type	<ul style="list-style-type: none"> <li>• 1 x 0.8" HEP DMD</li> </ul>	
	resolution	<ul style="list-style-type: none"> <li>• 4K UHD+ 3840 x 2400 (9,216,000 pixels) (16:10)</li> <li>• WUXGA 1920 x 1200 (native)</li> </ul>	
Illumination	type	<ul style="list-style-type: none"> <li>• High-efficiency blue laser phosphor</li> </ul>	
	performance	<ul style="list-style-type: none"> <li>• 20,000 hours to 50% brightness at full power mode</li> <li>• 50,000 hours to 50% brightness at ECO1 mode</li> </ul>	
Signal Inputs	standard	<ul style="list-style-type: none"> <li>• HDMI 2.0b x 2 (HDCP 1.4/2.2) • 12G-SDI x 1 (BNC)</li> <li>• DisplayPort x 1 (1.2a) • USB 2.0 x 1 (Type A) • HDBaseT 3.0 (RJ45) x 1</li> </ul>	
	signals	<ul style="list-style-type: none"> <li>• Horizontal and vertical scaling while maintaining aspect ratio (all inputs)</li> </ul>	
	2D	<ul style="list-style-type: none"> <li>• HDMI and DisplayPort: 3840 x 2160 up to 60 Hz, 1920 x 1080 between 24-240 Hz</li> <li>• Display Port: 3840 x 2400 up to 60 Hz, 1920 x 1200 between 24-120 Hz</li> <li>• 12G HDS DI: 3840 x 2160 up to 60 Hz, 1920 x 1080 up to 60 Hz</li> </ul>	
	3D	<ul style="list-style-type: none"> <li>• Active shuttered and passive polarized stereoscopic 3D</li> <li>• Blu-Ray: frame packing, top/bottom, side-by-side at 720p, 1080p at 24-60 Hz frame sequential up to 120 Hz (up to 60 Hz per eye)</li> <li>• Active 3D input (HDMI and DP): 1920 x 1080 up to 120 Hz (up to 60 Hz per eye), 3840 x 2160 at 60 Hz (30 Hz per eye)</li> <li>• Active 3D input (DP only): 1920 x 1200 up to 120 Hz (up to 60 Hz per eye), 3840 x 2400 at 60 Hz (30 Hz per eye)</li> <li>• Dual input 3D (2x HDMI): 1920 x 1080 up to 120 Hz (up to 60 Hz per eye), 3840 x 2160 at 60 Hz (60 Hz per eye)</li> <li>• 3D sync in (BNC)</li> <li>• 3D sync out (BNC) to emitter (active glasses) or active polarizer (passive glasses)</li> </ul>	
	pixel clock	<ul style="list-style-type: none"> <li>• 600 MHz</li> </ul>	
	scan rates	<ul style="list-style-type: none"> <li>• Horizontal: 15.375 kHz ~ 135.0 kHz ; Vertical: 23.98 Hz ~ 120 Hz</li> </ul>	
Signal Outputs	monitor out (loop-through)	<ul style="list-style-type: none"> <li>• 12G-SDI x 1 (BNC) • HDMI x 1 (HDMI out)</li> </ul>	
Control and networking		<ul style="list-style-type: none"> <li>• HDBaseT 3.0 (RJ45 x 1)</li> <li>• RJ45 x 1 (Ethernet control over wired network connection)</li> <li>• RS232 x 1</li> <li>• Remote in: 3.5 mm stereo female (provides serial communications and power)</li> <li>• DC jack 12 VDC, 200 mA (max)</li> </ul>	
Warping and blending	mount type	<ul style="list-style-type: none"> <li>• Christie Twist™</li> </ul>	
	optional	<ul style="list-style-type: none"> <li>• Twist Premium and Twist Pro</li> <li>• Mystique™ automated camera-based alignment</li> </ul>	
TAA-compliant		<ul style="list-style-type: none"> <li>• Yes</li> </ul>	
Lenses	mount type	<ul style="list-style-type: none"> <li>• Boresight adjustable</li> <li>• Motorized horizontal and vertical lens offset (memory available)</li> <li>• Motorized zoom and focus adjustment (memory available for full ILS lenses)</li> </ul>	
	lens options	<ul style="list-style-type: none"> <li>• 0.34-0.37:1 ultra short throw lens • 0.46:1 ultra short throw lens</li> </ul>	
	zoom/focus memory	<ul style="list-style-type: none"> <li>• 0.78-0.9:1 zoom lens • 0.9-1.3:1 zoom lens • 1.3-1.8:1 zoom lens</li> <li>• 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</li> </ul>	
Accessories	standard	<ul style="list-style-type: none"> <li>• IR remote with wired remote jack (wire not included) • AC line cord for projector • Product Safety Guide</li> </ul>	
	optional	<ul style="list-style-type: none"> <li>• Christie® Intelligent Camera (156-155102-XX)</li> <li>• One Mount Rigging Kit (used with One Mount, One Mount Plus Extender Rod) (121-126100-XX)</li> </ul>	<ul style="list-style-type: none"> <li>• Christie Intelligent Camera (156-155102-XX)</li> <li>• One Mount Rigging Kit (used with One Mount, One Mount Plus Extender Rod) (121-126100-XX)</li> </ul>
Power requirements	operating voltage	<ul style="list-style-type: none"> <li>• Normal: 100-240 VAC at 50/60 Hz</li> </ul>	<ul style="list-style-type: none"> <li>• Normal: 100-240 VAC at 50/60 Hz</li> <li>• Supports 100-120 VAC at reduced power with 80% brightness level output.</li> </ul>
	power consumption (25 C, 220 V)	<ul style="list-style-type: none"> <li>• Normal: 1,020W • ECO1: 840W • ECO2: 580W</li> </ul>	<ul style="list-style-type: none"> <li>• Normal: 1,340W • ECO1: 1,080W • ECO2: 710W</li> </ul>
	operating current	<ul style="list-style-type: none"> <li>• Normal: 4.64 A (220-240 VAC)</li> <li>• 9.55 A (100-120 VAC)</li> </ul>	<ul style="list-style-type: none"> <li>• Normal: 6.09 A (220-240 VAC)</li> <li>• 10.09 A (100-120 VAC)</li> </ul>
	dissipation at 220 V	<ul style="list-style-type: none"> <li>• Normal: 3,480 BTU/hr</li> <li>• ECO1: 2,866 BTU/hr</li> <li>• ECO2: 1,979 BTU/hr</li> </ul>	<ul style="list-style-type: none"> <li>• Normal: 4,572 BTU/hr</li> <li>• ECO1: 3,685 BTU/hr</li> <li>• ECO2: 2,423 BTU/hr</li> </ul>
Audible noise		<ul style="list-style-type: none"> <li>• Standard: 45dBA (max) • ECO2: 43dBA (max)</li> </ul>	<ul style="list-style-type: none"> <li>• Standard: 49dBA (max) • ECO2: 45dBA (max)</li> </ul>
Standby power	LAN off	<ul style="list-style-type: none"> <li>• &lt; 0.3W</li> </ul>	
	LAN on	<ul style="list-style-type: none"> <li>• &lt; 6W</li> </ul>	
Physical	size	<ul style="list-style-type: none"> <li>• (LxWxH) 23.6 x 20.5 x 7.6" (600 x 520 x 193 mm) without feet</li> </ul>	
	shipping size	<ul style="list-style-type: none"> <li>• (LxWxH) 38 x 31.30 x 14.6" (965 x 795 x 370 mm)</li> </ul>	
	weight	<ul style="list-style-type: none"> <li>• 64.76 lbs (29.4 kg)</li> </ul>	
	shipping weight	<ul style="list-style-type: none"> <li>• 94.71 lbs (43.0 kg)</li> </ul>	
Operating environment	temperature	<ul style="list-style-type: none"> <li>• 32-113 F (0-45 C) (0-2,500 ft. altitude)</li> </ul>	
	humidity	<ul style="list-style-type: none"> <li>• 10-85% non-condensing</li> </ul>	
Regulatory		<ul style="list-style-type: none"> <li>• This product conforms to all relevant European directives, standards, safety, health and environmental concerns</li> <li>• Directives: RoHS • REACH • WEEE • Contact Christie for timing of certifications: UL/CSA/IEC 62368-1</li> <li>• FCC Class A • cTUVus • CE • FDA • CCC • KC • PSE • BIS • VCCI • RCM • Mexico • BSMI</li> </ul>	
Warranty		<ul style="list-style-type: none"> <li>• Five years parts and labor on the projector</li> <li>• Five years or 20,000 hours parts and labor on the illumination system</li> <li>• Contact an authorized Christie representative for full details of our limited warranty</li> </ul>	
Special Features		<ul style="list-style-type: none"> <li>• 21:9 aspect ratio support and customize EDID.</li> <li>• Fade in &amp; fade out control for shutter function</li> <li>• High Frame Rate 1080P at 240 Hz</li> <li>• Support Control System: Crestron Roomview V2</li> <li>• PJLink V2 • AMX - Device Discovery</li> </ul>	

<sup>1</sup> Brightness level is +/- 5%

For the most current specification information, please visit [christiedigital.com/Jazz](http://christiedigital.com/Jazz)

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