

CHRISTIE MIRAGE SST

Dome theaters | Giant screens | Planetariums
Sports venues | Theme park attractions

Ultimate design freedom. Spectacular visual experiences.

The Christie® Mirage SST RGB pure laser projection system features a fiber-coupled, ultra-compact projector head and Christie TruLife™ electronics. You can choose either a 35,000 or a 50,000 lumens light source. Engineered specifically for complex applications, the Mirage SST combines unmatched system-design flexibility with incredible image fidelity.

Design and installation freedom

With its innovative fiber-coupled head, the Mirage SST provides several design and installation advantages. Its small form factor, light weight, ultra-low BTU output, and quiet operation give you the freedom to install the Mirage SST in tight, challenging environments - such as attractions that don't have projection booths and outdoor weatherproof enclosures. The remote light source also allows the chilling equipment to be located where noise won't impact show quality.

Unprecedented high frame rate performance

Featuring TruLife electronics, the Mirage SST delivers high frame rates of 120fps at 4K resolution for detail-rich visuals. If you need higher frame rates, you can purchase a license that enables an astounding 480fps at 2K resolution.

Deep, highly-saturated colors

Reproducing an expansive color gamut that approaches full Rec. 2020, the Mirage SST gives content creators an entirely new palette to choose from, while audiences benefit from natural, true-to-life visuals.

Ideal for planetariums, domes, theme park attractions and projection mapping spectacles the Mirage SST enables the next generation of entertainment experiences.



CHRISTIE®

Technical specifications

Christie Mirage SST

Image	brightness	• 35,000 ANSI @ 16-30°C (typical) • 50,000 ANSI @ 16-24°C (typical) ¹	
	contrast	• 2000:1 (with standard lens) • 5000:1 (with high-contrast lens ²)	
Display technology	type	• 3DLP® 1.38" sealed to the prism	
	resolution	• 4096 x 2160 (4K)	
Illumination	type	• RGB pure laser (solid-state illumination)	
	typical performance	• 30,000 hrs to 80% brightness	
Orientation		• Omnidirectional (projection head)	
Image processing		• Christie TruLife™ electronics, 1.2Gpx/s	
Frame rates		• 24-120Hz standard • Optional 240-480Hz @ 2K scaled	
Inputs	standard	• HBMIC: 2 x 12G-SDI • HDMI 2.0 • DisplayPort 1.2 • QSFP+ slot	
	optional	• Quad DisplayPort input card • Terra SDVoE input card (TSIC) • Dual 3G SD/HD-SDI input card • Dual Link DVI input card • Dual DisplayPort input card • Twin HDMI input card • 1x QSFP+ module for fiber use with Christie Link Transmitter	
Lenses	standard	• 0.38:1 • 0.72:1 • 0.9:1 • 1.13-1.66:1 • 1.31-1.63:1 • 1.45-2.17:1 • 1.95-3.26:1 • 1.99-2.71:1 • 2.71-3.89:1 • 3.89-5.43:1 • 4.98-7.69:1	
	high contrast	• 0.72:1 • 0.9:1 • 1.13-1.66:1 • 1.45-2.17:1 • 1.95-3.26:1 • 2.71-3.89:1 • 3.89-5.43:1	
Optional accessories		• Lifting handles, rigging cage	
Input line voltage	projector head	• 100-240 VAC @ 50-60Hz, single phase 5A • 35,000 lumens: 2388 BTU • 50,000 lumens: 2501 BTU	
	laser unit	• 200-230 VAC @ 50-60Hz, single phase 30A (up to 24A draw)	
	chiller (typical)	• 35,000 lumens - 200-230 VAC @50-60Hz, single phase 30A (50Hz 8.9a draw, 60Hz 11.5A draw) • 50,000 lumens @ 60Hz - 200-230 VAC, single phase 30A (11.5A draw) • 50,000 lumens @ 50Hz - 200-230 VAC three phase 30A (16A draw) or 380-415 VAC three phase 20A (8.4A draw)	
Cooling		• Liquid, self-contained (projection head) • Chiller required (optional purchase from Christie). Contact your Christie representative for chiller specifications	
Laser class		• Class 1 – Risk Group 3w	
Operating environment	ambient temperature and relative humidity	• 35,000 lumens - 16-30°C (61-86°F) • 20-80% non-condensing	
		• 50,000 lumens - 16-24°C (61-75°F) • 20-80% non-condensing	
Dimensions		Projector head	Laser unit
	size (not including lens)	• (LxWxH): 26.8 x 23.5 x 12" (680 x 597 x 305mm)	• (LxWxH): 30.6 x 31.7 x 25.7" (777 x 804 x 653mm)
	weight	• 113lbs (51kg)	• 330lbs (150kg)
Fiber length		• 35,000 lumens - 26 feet (8 meters) standard. Other lengths also available, up to 164 feet (50 meters) ³ • 50,000 lumens - 33 feet (10 meters) standard. Other lengths also available, up to 164 feet (50 meters) ³	
Sound level		Projector head	Laser unit
		• 35,000 lumens - 42-50dBA at 16-30°C (61-86°F) ⁴ • 50,000 lumens - 38-55dBA at 16-24°C (61-75°F) ⁵	• < 10dBA
Regulatory		• This product conforms to the following regulations related to product safety, environmental requirements and electromagnetic compatibility (EMC) Directives: RoHS, REACH, WEEE • Certifications: UL 60950-1, CSA C22.2 No. 60950-1, IEC 60950-1, FCC Class A, FDA, CE • Contact Christie for the timing of the following: RCM, PSE, CCC, BIS, CU, KC, SABS	
Warranty		• Three years parts and labor (projector head and laser unit) • Contact an authorized Christie representative for full details of our limited warranty	

Key features

- › **Fiber-coupled, ultra-compact and lightweight projection head** - Unmatched system design freedom and installation flexibility
- › **Christie TruLife electronics** - Powerful processing that delivers high frame rate video of 120fps at 4K for detail-rich visuals and 3D processing
- › **Expanded color gamut** - Approaches full Rec. 2020 color space
- › **High contrast** - Achieves 5,000:1 On/Off contrast with high-contrast lens²
- › **Long-lasting, silent⁶, reliable light source** - 30,000 hours of optimal brightness performance to 80% brightness
- › **Omnidirectional** - Can be installed in any orientation
- › **Compatible with Christie Mystique® automated, camera-based alignment solution** - Eliminates the challenges, time and expertise required to align, warp and blend complex multi-projector arrays
- › **Supports Christie Guardian** - Invisible, real-time automatic blended-image correction even when content is playing
- › **Lens use** - Compatible with all Christie 4K lenses⁷

¹ The projector automatically reduces brightness in ambient temperatures above 24°C.

² Brightness is reduced by 25% with use of high-contrast lens.

³ Usage of longer fiber reduces brightness. Contact your Christie representative for detailed information.

⁴ Sound level is subject to environmental conditions. The projector head can operate up to 35°C.

⁵ Sound level is subject to operating brightness level. The projector head can operate up to 35°C. For ambient temperatures >24°C, contact your Christie representative for detailed specifications.

⁶ Less than 10dBA.

⁷ Older Christie 4K lenses without a bayonet require a lens mount kit.

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

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