

CHRISTIE MIRAGE SST

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

Ultimate design freedom. Spectacular visual experiences.

The Christie® Mirage SST RGB laser projection system features a fiber-coupled, ultra-compact projector head and Christie TruLife™ electronics. 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 allows it to be installed independently or as part of a multi-projector array into tight, challenging environments. 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. For customers requiring higher frame rates, a license can be purchased enabling 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, and theme park attractions, the Mirage SST enables the next generation of entertainment experiences.



CHRISTIE®

Technical specifications

Christie Mirage SST

Image	brightness	• 35,000 ANSI (typical) at 25°C
	contrast	• 2000:1 (with standard lens) • 5000:1 (with high-contrast lens ¹)
Display technology	type	• 3DLP® 1.38" sealed to the prism
	resolution	• 4096 x 2160 (4K)
Illumination	type	• RGB 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 • QSF+ 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 QSF+ module for fiber use with Christie Link Transmitter
Lenses	standard	• 0.72:1 • 0.9:1 • 1.13-1.31:1 • 1.31-1.63:1 • 1.63-2.17:1 • 1.99-2.71:1 • 2.71-3.89:1 • 3.89-5.43:1 • 4.98-7.69:1
	high contrast	• 1.13-1.66:1 • 1.45-2.17:1 • 1.95-3.26:1
Optional accessories		• Lifting handles, rigging cage
Input line voltage	projector head	• 100-240 VAC @ 50-60Hz 5A
	laser unit	• 200-240 VAC @ 50-60Hz 24A
	chiller	• 200-240 VAC @ 50-60Hz, single phase
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 3
Operating environment		• Ambient temperature: 16-30°C (61-86°F) • Relative humidity: 20-80% non-condensing
Dimensions		Projector head
	size (not including lens)	• (LxWxH): 26.8 x 23.5 x 12" (680 x 597 x 305mm)
	weight	• 113lbs (51kg)
		Laser unit
		• (LxWxH): 30.6 x 31.7 x 25.7" (777 x 804 x 653mm)
		• 330lbs (150kg)
Fiber length		• Standard 33 feet (10 meters). Other lengths also available, up to 164 feet (50 meters)
Sound level		Projector head
		• 44-50dBA ²
		Laser unit
		• < 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 lens¹
- › **Long-lasting, silent³, 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 lenses⁴

¹ Brightness is reduced by 25% with use of high-contrast lens.

² Subject to operating brightness level and environmental conditions.

³ Less than 10dBA.

⁴ May require optional adapter.

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

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