

# CHRISTIE MIRAGE SST-6P

Dome theaters | Giant screens | Planetariums | Theme parks and attractions

## Better brightness. Better contrast. Better color. A truly exceptional 3D experience.

The Christie® Mirage SST-6P 6-Primary (6P) 4K RGB pure laser projection system enables truly exceptional 3D experiences. Astoundingly 90% efficient, 6P projection allows onscreen content to look just as it's intended to look—bright, contrast-rich, and colorful. With 2 projection heads and 2 sets of RGB laser primaries that have slightly offset wavelengths, reusable passive glasses are all that's needed to filter the wavelengths for each eye, resulting in a natural and comfortable viewing experience for the audience.

### Built to immerse your audience

The dual-head 18,000-lumen Mirage SST-6P projection system delivers more than twice the onscreen brightness of traditional color-comb 30,000-lumen lamp-based dual projector systems, making dim 3D experiences a thing of the past and revealing a level of detail not seen before.

Producing rich, highly saturated colors, Mirage SST-6P exceeds the DCI-P3 and Rec. 709 color spaces, and because 6P RGB pure laser technology virtually eliminates the crosstalk between the left and right eyes, there's no ghosting or visual distractions for the audience. 6P RGB laser is compatible with white screens, making it optimal for seamlessly blending the multi-projector arrays that are often used in domes, dark rides and other attractions.

### Solid state. Flexible design.

Mirage SST-6P is the solid-state replacement for traditional, lamp-based, dual projection systems: with no lamps to replace, a lower cost of operation and reduced maintenance requirements. And the small, lightweight form factor, ultra-low BTU output, and quiet operation of the omni-directional, fiber-coupled projection heads provide unmatched system design and installation flexibility.

Ideal for theme parks and attractions, giant screens and planetariums, Mirage SST-6P brings 3D content to life.



**CHRISTIE®**

## Technical specifications

## Christie Mirage SST-6P

Image	brightness	• 18,000 ANSI @ 16-30°C (typical) per projector head (36,000 lumens total)	
	contrast	• 2000:1 (with standard lens) • 5000:1 (with high contrast lens <sup>1</sup> )	
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	standard	• Up to 120Hz per eye at 4K	
	optional	• Mirage Pro: Up to 480Hz per eye at 2K and support for Christie View simultaneous multi-content viewer feature	
Inputs	standard	• Choose one signal input card for slot 0 (specified at time of order): HBMIC (2x 12G-SDI • HDMI 2.0 • DisplayPort 1.2 • 1x QSFP+ module for fiber use with Christie Link Transmitter) OR QDPIC (Quad DisplayPort 1.2 input card) OR TSIC (Terra SDVoE input card)	
	optional	• Dual 3G SD/HD-SDI input card • Dual Link DVI input card • Dual DisplayPort 1.1 input card • Twin HDMI 1.4a input card • 1x QSFP+ module for fiber use with Christie Link Transmitter	
Warping and blending	standard	• Christie Twist™	
	optional	• Christie Twist Premium and Twist Pro • Christie Mystique™ • Christie Guardian	
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 x2	• 100-240 VAC @ 50-60Hz, single-phase 5A • 2388 BTU per projector head	
	laser unit x2	• 200-230 VAC @ 50-60Hz, single-phase 30A (up to 24A draw) per projector head	
	chiller (typical) x2	• 200-230 VAC @ 50-60Hz, single-phase 30A (50Hz 8.9A draw, 60Hz 11.5A draw) per chiller	
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 and relative humidity	• 16-30°C (61-86°F) • 20-80% non-condensing	
Dimensions	size (not including lens)	<b>Projector head x 2</b> • (LxWxH): 26.8 x 23.5 x 12" (680 x 597 x 305mm)	<b>Laser unit x 2</b> • (LxWxH): 30.6 x 31.7 x 25.7" (777 x 804 x 653mm)
	weight	• 113lbs (51kg)	• 330lbs (150kg)
Fiber length		• 26 feet (8 meters) standard. Other lengths also available, up to 164 feet (50 meters) <sup>2</sup>	
Sound level		<b>Projector head</b>	<b>Laser unit</b>
		• 42-50dBA <sup>3</sup> at 16-30°C (61-86°F)	• < 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 heads and laser units) • Contact an authorized Christie representative for full details of our limited warranty	

## Key features

- › **Twice as bright** - 90% efficient, the 18,000-lumen Mirage SST-6P delivers more than twice the onscreen brightness of color-comb 30,000-lumen lamp-based projection systems
- › **Better contrast, better color** - Exceeds the DCI-P3 and Rec.709 color spaces, and achieves high-quality 3D contrast (no ghosting)
- › **A natural and comfortable visual experience** - Simultaneously delivers both left- and right-eye images, unlike a single-head projector that sequentially flashes the images to each eye
- › **White-screen compatible** - Silver screens aren't required, making 6P RGB laser optimal for blending multi-projector arrays and the use of short-throw and ultra-short-throw lenses
- › **Reusable passive 3D glasses** - All you need are glasses<sup>4</sup> that filter out left- and right-eye frequencies
- › **High frame rates** - Christie TruLife™ provides powerful processing that delivers 4K 3D content at up to 120fps per eye and, with the Mirage Pro upgrade, up to 480 fps per eye at 2K
- › **System design and installation flexibility** - The ultra-compact, lightweight form factor of the fiber-coupled projection head and its ultra-low BTU output and quiet operation give you the freedom to install it in tight, challenging environments
- › **Omnidirectional** - Can be installed in any orientation
- › **Long-lasting, silent<sup>5</sup>, reliable light source** - 30,000 hours of optimal brightness performance to 80% brightness
- › **Compatible with Christie Mystique** automated, camera- based alignment solution and **Christie Guardian** invisible, real-time automatic blended image correction
- › Optional **Christie View** simultaneous multi-content viewer feature
- › **Lens use** - Compatible with all Christie 4K lenses<sup>6</sup>

<sup>1</sup> High-contrast lenses reduce brightness by 25%.

<sup>2</sup> Longer fiber reduces brightness.

<sup>3</sup> Sound level is subject to environmental conditions. The projector head can operate up to 35°C.

<sup>4</sup> Requires glasses that match Mirage SST-6P wavelengths.

<sup>5</sup> Less than 10dBA.

<sup>6</sup> Older Christie 4K lenses without a bayonet require a lens mount kit.

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

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