

Satellite Insight Modular Laser System 4K 120Hz Specification

Satellite MLS is a (r)evolution in projection technology.

Totally configurable to overcome traditional installation challenges.

Simple building blocks for complex applications.



Satellite Insight MLS 4K 120Hz

10,000 to 40,000 Lumens | Contrast Ratio: 2,000:1



Key Features:

Satellite Insight Head

Native 4K Resolution (4096 x 2160)
Separate Head - compact, lightweight & low noise
Sealed Optics
Near Maintenance free
3D Capable

Modular Light Source

RGB Modular Light source
Near BT2020 colour space
Rack mountable • Fully Interlocked
Interconnection - Satellite Link Cable available in various lengths
Use 10K, 20K or 30K Modular Light Sources to achieve the desired brightness to a maximum of 40,000 Lumens or share one source to multiple heads.

Key Specifications:

Colour System:	3-chip DLP®																													
Display Type:	3 x 1.38" DarkChip™ DMD™																													
DMD Specification:	4096 x 2160 pixels native. Fast transit pixels for smooth greyscale and improved contrast.																													
Aspect Ratio:	1.90:1																													
Fill Factor	87%																													
Video & Graphics processing	Up to 60 fps 4096 x 2160 pixels sequential input via single DisplayPort input. Up to 120 fps (2 x 60 fps) 4096 x 2160 pixels Dual-Pipe input via DisplayPort. Dual Flash Processing capability.. Dark Time insertion capability. Smear reduction for 2D displays. Synchronisation of active glasses or polarising switcher. Low latency processing.																													
Colour adjustments	Up to 12 bits per colour (RGB) processing (depending on source and input type). Degamma table maps input to 16 bit palette (R, G & B) for display. Degamma selection from a list of parametric curves. Individual R, G & B lift and gain. Black and White level adjustment via Brightness & Contrast control.																													
ColorMax™	Accurate matching of projectors in tiled or blended applications. User selection and storage of primary and secondary user defined color targets up to 7 points.																													
Control	On-board touch-panel control. Remote control - IR or cable. Network control via RJ45. Tablet and smart phone control via served web page. PC control application.																													
Mounting	Head mounting Fixing points on Top/Bottom and sides. Additional front fixing for third party attachments i.e optical blenders. MLS Mounting 19" 3U (10K MLS) and 19" 4U (20K 30K MLS) rack mounting SCM Mounting 19" 3U rack mounting																													
Lens Features	Robust lens mount with memorised position, zoom and focus. Extensive lens shift encompassing all lens capabilities. High quality sharp lenses designed for 4K performance with wide focal ranges.																													
Source Compatibility	Graphics standards up to 4096 x 2160 at 60 fps via each DisplayPort. 60 fps via HDMI. Higher input frame rates supported at 2K resolution.																													
Inputs/Outputs	<table><tr><th colspan="3">Video & Computer</th><th colspan="3">Communication & Control</th></tr><tr><td>DisplayPort 1.2</td><td>DisplayPort</td><td>2</td><td>3D Sync in/out</td><td>BNC</td><td>2</td></tr><tr><td>HDMI</td><td>HDMI</td><td>2</td><td>LAN</td><td>RJ45</td><td>1</td></tr><tr><td></td><td></td><td></td><td>Wired remote</td><td>3.5mm Stereo Jack</td><td>1</td></tr></table>						Video & Computer			Communication & Control			DisplayPort 1.2	DisplayPort	2	3D Sync in/out	BNC	2	HDMI	HDMI	2	LAN	RJ45	1				Wired remote	3.5mm Stereo Jack	1
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3D Formats Supported	Dual Pipe & Frame Sequential. Frame Packed, Top-Bottom via HDMI																													

Formats Supported	4096 x 2160p (24, 25, 29.97, 30, 50, 59.94, 60 Hz) (Up to 120 Hz via Dual Pipe) 3840 x 2160p (24, 25, 29.97, 30, 50, 59.94, 60 Hz) (Up to 120 Hz via Dual Pipe) 1080p (24, 25, 29.97, 30, 50, 59.94, 60 Hz) (Up to 120 Hz)		
Computer Compatibility	Up to 4096 x 2160		
Projector Head Control	IR & Wired remote control & On-Board touch Panel with OSD		
Automation Control	LAN.		
Colour Temperature	User selectable from 3300 to 10000K		
illumination Type	RGB Laser Light Source		
Typical illumination Life	30,000 Hours		
Lenses	Lens	Part No.	Lens Shift (Frame)
	0.93:1 fixed	117-310	Vert: 0.21 (U) 0.21 (D), Hor: 0.08 (L) 0.08 (R)
	1.13 - 1.72:1	115-627	Vert: 0.34 (U) 0.19 (D), Hor: 0.08 (L) 0.10 (R)
	1.65 - 2.60:1	115-630	Vert: 0.40 (U) 0.20 (D), Hor: 0.13 (L) 0.13 (R)
	2.53 - 4.98:1	115-632	Vert: 0.37 (U) 0.20 (D), Hor: 0.13 (L) 0.13 (R)
	At 4K-UHD		
	0.99:1 fixed	117-310	Vert: 0.27 (U) 0.20 (D), Hor: 0.10 (L) 0.11 (R)
	1.21 - 1.83:1	115-627	Vert: 0.40 (U) 0.20 (D), Hor: 0.08 (L) 0.14 (R)
	1.76 - 2.77:1	115-630	Vert: 0.45 (U) 0.20 (D), Hor: 0.13 (L) 0.17 (R)
	2.70 - 5.31:1	115-632	Vert: 0.42 (U) 0.20 (D), Hor: 0.13 (L) 0.17 (R)
Lens Mount	Motorised shift, zoom and focus. Intelligent Lens Memory with user-definable preset positions.		
Mechanical Mounting	Front/Rear Table. Front/Rear Ceiling . Adjustable Front/Rear Feet.		
Orientation	Table Top or Inverted:. Pointing Up. Pointing Down. Roll (Portrait)		
Power Requirements	Head, MLS & SCM 100 - 240VAC 50/60Hz single phase		
Power Consumption	Head 250W, 10K MLS 1000W, 20K MLS 1633W, 30K MLS 2488W, SCM 100W		
Thermal Dissipation	Head with 10K Lumens 1200 BTU/Hr with 40K Lumens 2220 BTU/hr. MLS 10K MLS 2500 BTU/Hr, 20K MLS 5572 BTU/Hr, 30K MLS 8489 BTU/hr, SCM 85 BTU/hr		
Fan Noise	Head <40 dBA, MLS 10K 45 dBA, 20K 54 dBA, 30K 58 dBA, SCM 30 dBA		
Operating/Storage Temperature	Operating: 0 to 35C (32 to 95F) Storage: -10 to 50C (14 to 122F)		
Operating Humidity	20 to 80% non-condensing		
Weight	Head: 40 kg / 88 lbs MLS: 10K MLS 17Kg / 37 lbs, 20K MLS 28Kg / 62 lbs, 30K MLS 29Kg / 63 lbs, SCM: 6.5 Kg / 14 lbs		
Dimensions	Head H: 47 cm / 18.5 in W: 43 cm / 16.9 in L:45 cm / 17.7 in Modular Light Source (MLS) 10K 19" 3U rack unit 50cm / 19.6" deep Modular Light Source (MLS) 20K/30K 19" 4U rack unit 75cm / 29.5" deep Satellite Control Module (SCM) 19" 3U rack unit 27cm / 10.6" deep		
Part Numbers	Satellite Insight Head 4K 120 120-885 MLS 10000 122-004 MLS 20000 123-445 MLS 30000 123-799	SCM 122-143 for full details on the Satellite Link Cable please contact your local sales representative.	



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Laser class Statement: Class 1 RG3 Laser Product. No direct exposure to the beam shall be permitted, RG3 IEC 62471-5:2015. Operators shall control access to the beam within the hazard distance or install the product at a height that will prevent exposure of the spectator's eyes within the hazard distance