Satellite HIGHlite Modular Laser System WUXGA
Specification

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

Totally configurable to overcome traditional installation challenges.

Simple building blocks for complex applications.

Satellite HIGHlite MLS WUXGA

10,000 to 20,000 ISO Lumens | Contrast Ratio: 2,000:1

Key Features:

Satellite HIGHlite Head
Native WUXGA Resolution (1920 x 1200)
Separate Head - compact, lightweight & low noise
Sealed Optics
Near Maintenance free

Modular Light Source
RGB Modular Light source
Near BT2020 colour space
Rack mountable・Fully Interlocked
Interconnection - Satellite Link Cable available in various lengths
Combine up to two 10K or one 20K Modular Light Sources, or
share one source to multiple Heads

Key Specifications:

Colour System:	3-chip DLP®
Display Type:	3 x 0.67" DarkChip™ DMD™
DMD Specification:	1920 x 1200 pixels native. Fast transit pixels for smooth greyscale and improved contrast.
Aspect Ratio:	16:10
Fill Factor	87%
Video & Graphics processing	Up to 120 fps 1920 x 1200 pixels sequential input via single DisplayPort or HDMI input. Up to 4K-UHD 60Hz compatibility displayed within WUXGA. Smear reduction.
Colour adjustments	Up to 10 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. 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 keypad. Remote control - IR. Network control via RJ45. Single point of system control via Satellite Control Module 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 MLS) rack mounting **SCM Mounting** 19" 3U rack mounting
Lens Features	Robust lens mount with memorised position, zoom and focus on selected lenses. Extensive lens shift encompassing all lens capabilities. High quality sharp lenses with wide focal ranges.
Source Compatibility	Graphics standards up to 3840 x 2160 at 60 fps via DisplayPort or HDMI and 1920 x 1200 at 120fps displayed in WUXGA

Inputs/Outputs	Video & Computer			Communication & Control		
	DisplayPort 1.2	DisplayPort	1	5V/2A	USB Type A	1
	HDMI 2.0b	HDMI	1	Ethernet	RJ45	1
	HDBaseT	RJ45	1	Ethernet/Art-Net	Ethercon	1
				Service	Mini USB	1

Formats Supported	3840 x 2160p (24, 25, 30, 50, 60 Hz) 1080p/WUXGA (24, 25, 29.97, 30, 50, 59.94, 60 Hz) (Up to 120 Hz)
Computer Compatibility	Up to 3840 x 2160
Projector Head Control	IR remote control & On-Board keypad with OSD
Automation Control	LAN.
Colour Temperature	User selectable from 3300 to 10000K
illumination Type	RGB Laser Light Source
Typical illumination Life	> 20,000 Hours
Lenses	<table><tr><th>Lens</th><th>Part No.</th><th>Lens Shift (Frame)</th></tr><tr><td>0.83 - 1.21 : 1 zoom</td><td>122-817</td><td>Ver: 0.5 (U) 0.5 (D) frame, Hor: 0.15 (L) 0.15 (R)</td></tr><tr><td>1.21 - 1.70 : 1 zoom</td><td>122-818</td><td>Ver: 0.47 (U) 0.47 (D) frame, Hor: 0.15 (L) 0.15 (R)</td></tr><tr><td>1.50 - 2.15 : 1 zoom</td><td>122-819</td><td>Ver: 0.47 (U) 0.47 (D) frame, Hor: 0.15 (L) 0.15 (R)</td></tr><tr><td>2.00 - 3.90 : 1 zoom</td><td>122-820</td><td>Ver: 0.47 (U) 0.47 (D) frame, Hor: 0.15 (L) 0.15 (R)</td></tr></table>* Lens focal ranges above are the optimised distances but are likely to focus further, please contact your RSM for more details. Lens ratio tolerances: HighLite Series: +/- 5%.
Lens Mount	Motorised shift, zoom and focus. Intelligent Lens Memory with user-definable preset positions on selected lenses.
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** 156W **10K MLS** 1000W **20K MLS** 1633W **SCM** 25W
Thermal Dissipation	**Head** 1000 BTU/Hr at 10,000 Lumens, 1500 BTU/Hr at 20,000 Lumens **10K MLS** 2500 BTU/hr, **20K MLS** 5572 BTU/hr, **SCM** 85 BTU/hr
Noise	**Head** 39 dBA **MLS 10K** 45 dBA **MLS 20K** 54 dBA **SCM** 32 dBA
Operating/Storage Temperature	Operating: 0 to 40C (32 to 104F) Storage: -20 to 60C (-4 to 140F) (Over 35C Eco Mode)
Operating Humidity	20 to 80% non-condensing
Weight	**Head:** 19 kg/42 lb **10K MLS:** 17 kg/37 lb **20K MLS:** 28 kg/62 lb **SCM:** 6.5 kg/14 lb
Dimensions	**Head** H: 31.5 cm / 12.4 in W: 29.9 cm / 12.4 in L: 33.7 cm / 13.3 in **Modular Light Source (MLS) 10K** 19" 3U rack unit 50cm / 19.6 in deep **Modular Light Source (MLS) 20/30K** 19" 4U rack unit 75cm / 29.5 in deep **Satellite Control Module (SCM)** 19" 3U rack unit 27cm / 10.6 in deep
Part Numbers	Satellite HIGHlite Head WU 120-890, MLS 10000 122-004, MLS 20000 123-445, SCM 122-143, for full details on the Satellite Link Cable please contact your local sales representative.
Certification	UL, UKCA, CE, FCC Class A

HIGHlite Satellite Head

Modular Light Source (MLS)

Satellite Link Cable (SLC)

System Control Module (SCM)

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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