



Satellite HIGHlite Modular Laser System 4K-UHD 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 4K-UHD

9,000 ISO Lumens | Contrast Ratio: 2,000:1

Key Features:

Satellite HIGHlite Head

Display Resolution 4K-UHD (3840 x 2160) / (HD 1920 x 1080)
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
Single Modular Light Source 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 1080 pixels native. Fast transit pixels for smooth greyscale and improved contrast.																																			
Aspect Ratio:	16:9																																			
Fill Factor	87%																																			
Video & Graphics processing	Up to 4K-UHD 3840 x 2160 resolution at 60Hz HD Mode - sources displayed within 1920 x 1080 4K-UHD Mode - sources displayed within 3840 x 2160 Smear reduction with smooth picture off																																			
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 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																																			
Inputs/Outputs	<table border="1"> <thead> <tr> <th colspan="3">Video & Computer</th> <th colspan="3">Communication & Control</th> </tr> </thead> <tbody> <tr> <td>DisplayPort 1.2</td> <td>DisplayPort</td> <td>1</td> <td>5V/2A</td> <td>USB Type A</td> <td>1</td> </tr> <tr> <td>HDMI 2.0b</td> <td>HDMI</td> <td>1</td> <td>Ethernet</td> <td>RJ45</td> <td>1</td> </tr> <tr> <td>HDBaseT</td> <td>RJ45</td> <td>1</td> <td>Ethernet/Art-Net</td> <td>Ethercon</td> <td>1</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Service</td> <td>Mini USB</td> <td>1</td> </tr> </tbody> </table>						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
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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 displayed within 1920 x 1080)															
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 border="1"> <thead> <tr> <th>Lens</th> <th>Part No.</th> <th>Lens Shift (Frame)</th> </tr> </thead> <tbody> <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> </tbody> </table> <p>* 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%.</p>	Lens	Part No.	Lens Shift (Frame)	0.83 - 1.21 : 1 zoom	122-817	Ver: 0.5 (U) 0.5 (D) frame, Hor: 0.15 (L) 0.15 (R)	1.21 - 1.70 : 1 zoom	122-818	Ver: 0.47 (U) 0.47 (D) frame, Hor: 0.15 (L) 0.15 (R)	1.50 - 2.15 : 1 zoom	122-819	Ver: 0.47 (U) 0.47 (D) frame, Hor: 0.15 (L) 0.15 (R)	2.00 - 3.90 : 1 zoom	122-820	Ver: 0.47 (U) 0.47 (D) frame, Hor: 0.15 (L) 0.15 (R)
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Lens Mount	<p>Motorised shift, zoom and focus. Intelligent Lens Memory with user-definable preset positions on selected lenses.</p> <p>* 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%.</p>															
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 Single MLS 1000W SCM 25W															
Thermal Dissipation	Head 1000 BTU/Hr Single MLS 2500 BTU/hr, SCM 85 BTU/Hr															
Noise	Head 39 dBA MLS 45 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 MLS: 17 kg/37 lb SCM: 6.5 kg/14 lb															
Dimensions	Head H: 31.5 / 12.4 in W: 29.9 cm / 11.77 in L: 33.7 cm / 13.3 in Modular Light Source (MLS) 19" 3U rack unit 50cm / 19.6 in deep Satellite Control Module (SCM) 19" 3U rack unit 27cm / 10.6 in deep															
Part Numbers	Satellite HIGHlite Head 4K 122-235, MLS 10000 122-004, 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