

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

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- Satellite MLS is a (r)evolution in projection technology.*
- Totally configurable to overcome traditional installation challenges.*
- Simple building blocks for complex applications.*



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The Visionaries' Choice

# 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:

<b>Colour System:</b>	3-chip DLP®																													
<b>Display Type:</b>	3 x 0.67" DarkChip™ DMD™																													
<b>DMD Specification:</b>	1920 x 1080 pixels native. Fast transit pixels for smooth greyscale and improved contrast.																													
<b>Aspect Ratio:</b>	16:9																													
<b>Fill Factor</b>	87%																													
<b>Video &amp; Graphics processing</b>	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																													
<b>Colour adjustments</b>	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.																													
<b>ColorMax™</b>	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.																													
<b>Control</b>	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.																													
<b>Mounting</b>	<b>Head mounting</b> Fixing points on Top/Bottom and sides. Additional front fixing for third party attachments i.e optical blenders. <b>MLS Mounting</b> 19" 3U rack mounting <b>SCM Mounting</b> 19" 3U rack mounting																													
<b>Lens Features</b>	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.																													
<b>Source Compatibility</b>	Graphics standards up to 3840 x 2160 at 60 fps via DisplayPort or HDMI and 1920 x 1200 at 120fps																													
<b>Inputs/Outputs</b>	<table border="1"><thead><tr><th colspan="2">Video &amp; Computer</th><th colspan="3">Communication &amp; 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></tr><tr><td>HDMI 2.0b</td><td>HDMI</td><td>1</td><td>Ethernet</td><td>RJ45</td></tr><tr><td>HDBaseT</td><td>RJ45</td><td>1</td><td>Ethernet/Art-Net</td><td>Ethercon</td></tr><tr><td></td><td></td><td></td><td>Service</td><td>Mini USB</td></tr></tbody></table>					Video & Computer		Communication & Control			DisplayPort 1.2	DisplayPort	1	5V/2A	USB Type A	HDMI 2.0b	HDMI	1	Ethernet	RJ45	HDBaseT	RJ45	1	Ethernet/Art-Net	Ethercon				Service	Mini USB
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<b>Formats Supported</b>	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)															
<b>Computer Compatibility</b>	Up to 3840 x 2160															
<b>Projector Head Control</b>	IR remote control & On-Board keypad with OSD															
<b>Automation Control</b>	LAN.															
<b>Colour Temperature</b>	User selectable from 3300 to 10000K															
<b>illumination Type</b>	RGB Laser Light Source															
<b>Typical illumination Life</b>	> 20,000 Hours															
<b>Lenses</b>	<table> <thead> <tr> <th><b>Lens</b></th> <th><b>Part No.</b></th> <th><b>Lens Shift (Frame)</b></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>	<b>Lens</b>	<b>Part No.</b>	<b>Lens Shift (Frame)</b>	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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<b>Lens Mount</b>	<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>															
<b>Mechanical Mounting</b>	Front/Rear Table. Front/Rear Ceiling. Adjustable Front/Rear Feet.															
<b>Orientation</b>	Table Top or Inverted: Pointing Up. Pointing Down. Roll (Portrait)															
<b>Power Requirements</b>	<b>Head, MLS &amp; SCM</b> 100 - 240VAC 50/60Hz single phase															
<b>Power Consumption</b>	<b>Head</b> 156W <b>Single MLS</b> 1000W <b>SCM</b> 25W															
<b>Thermal Dissipation</b>	<b>Head</b> 1000 BTU/Hr <b>Single MLS</b> 2500 BTU/hr, <b>SCM</b> 85 BTU/Hr															
<b>Noise</b>	<b>Head</b> 39 dBA <b>MLS</b> 45 dBA <b>SCM</b> 32 dBA															
<b>Operating/Storage Temperature</b>	Operating: 0 to 40C (32 to 104F) Storage: -20 to 60C (-4 to 140F) (Over 35C Eco Mode)															
<b>Operating Humidity</b>	20 to 80% non-condensing															
<b>Weight</b>	<b>Head:</b> 19 kg/42 lb <b>MLS:</b> 17 kg/37 lb <b>SCM:</b> 6.5 kg/14 lb															
<b>Dimensions</b>	<b>Head</b> H: 31.5 / 12.4 in W: 29.9 cm / 11.77 in L: 33.7 cm / 13.3 in <b>Modular Light Source (MLS)</b> 19" 3U rack unit 50cm / 19.6 in deep <b>Satellite Control Module (SCM)</b> 19" 3U rack unit 27cm / 10.6 in deep															
<b>Part Numbers</b>	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.															
<b>Certification</b>	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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