

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.



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The Visionaries' Choice

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 2 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 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	<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>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></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)		
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	Lens 0.83 - 1.21 : 1 zoom 1.21 - 1.70 : 1 zoom 1.50 - 2.15 : 1 zoom 2.00 - 3.90 : 1 zoom * 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%.	Part No. 122-817 122-818 122-819 122-820	Lens Shift (Frame) Ver: 0.5 (U) 0.5 (D) frame, Hor: 0.15 (L) 0.15 (R) Ver: 0.47 (U) 0.47 (D) frame, Hor: 0.15 (L) 0.15 (R) Ver: 0.47 (U) 0.47 (D) frame, Hor: 0.15 (L) 0.15 (R) Ver: 0.47 (U) 0.47 (D) frame, Hor: 0.15 (L) 0.15 (R)
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 Single MLS 1000W SCM 25W		
Thermal Dissipation	Head 1000 BTU/Hr at 10,000 Lumens, 1500 BTU/Hr at 20,000 Lumens 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 MLS: 17 kg SCM: 6.5 kg / Head: 42 lb MLS: 37 lb SCM: 14 lb		
Dimensions	Head H: 31.5 cm W: 29.9 cm L: 33.7 cm / H: 12.4 in W: 11.77 in L: 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		
Systems	Satellite HIGHlite 10,000 WUXGA 120Hz with 10m Satellite Link Cable - 121-384 Satellite HIGHlite 20,000 WUXGA 120Hz with 10m Satellite Link Cable - 121-385		
Certification	UL, UKCA, CE, FCC Class A		



DIGITAL PROJECTION, LTD GREENSIDE WAY,
MIDDLETON MANCHESTER, UK. M24 1XX
T: +44.161.947.3300 | F: +44.161.684.7674 |
www.digitalprojection.co.uk

DIGITAL PROJECTION, INC 55 CHASTAIN
ROAD, SUITE 115 KENNESAW, GA. 30144
T: 770.420.1350 } F: 770.420.1360 |
www.digitalprojection.com

DIGITAL PROJECTION, CHINA Rm
A2301,Shaoyaoju 101 North Lane,Shi Ao
International Center,Chaoyang District,Bei-
jing 100029, PR China. T: +86.10.58239771 |
F: +86 10 58239770



Document ref: 121-907B

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

Specifications subject to change without notice.

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