

## HIGHlite Laser 4K (HB) (Preliminary)

11,000 ANSI / 12,500 ISO Lumens | Contrast Ratio: 2,000:1 | Part No:118-081

### HIGHLITE LASER 4K 12000 DIGITAL PROJECTOR



THE VISIONARIES CHOICE

<b>Colour System:</b>	<b>DMD Specification:</b>
3-chip DLP®	Display capability up to 4K-UHD. 8.3 megapixels on screen at 4K-UHD (3840 x 2160). Fast transit pixels for smooth greyscale and improved contrast.
<b>Display Type:</b>	<b>Aspect Ratio:</b>
3 x 0.65" 1080p DMD™	16:9
	<b>Fill Factor</b>
	Not applicable: Smooth Picture DMD™

### Key Features

#### Video & Graphics Processing

- DisplayPort 1.2.
- 2 x HDMI 2.0.
- HDBase-T.
- 3G-SDI with loop-through.
- Scaling with aspect ratio management for a wide range of sources.
- DICOM simulation mode.

#### Geometry Correction

- Cornerstone, Vertical & Horizontal Keystone, Pincushion & Barrel, Arc and Image Rotation.
- Non-linear warp.
- Digital zoom, pan and scan.
- Blanking control for custom input window sizing.
- Scaling available for fixed aspect ratio screens.
- Unscaled processing for pixel mapped display.

#### Edge Blending

- Blending control available for all sides with width control.
- Correction for non-active pixels at the edge of the display.

#### Picture in Picture

- Two sources can be displayed simultaneously using 2D inputs: either picture in picture (PIP), or side by side (PBP), with original aspect ratios maintained.

#### HDBaseT® Interface

- Built in support for reception of uncompressed High Definition Video over standard CAT5e/6 LAN cable.
- Allows the projector to be placed up to 100m from the source with low cost cabling.
- Supports up to 4K UHD 3840 x 2160@60Hz 4:2:0 or 4K UHD 3840 x 2160@30Hz 4:4:4

#### Colour Processing

- Four colour modes available.
- Powerful seven point colour correction for accurate colour matching with presets.
- Easy colour temperature selection.
- Manual seven point colour adjustment.
- Traditional lifts and gains.

#### Projector Controller Software

- Intuitive user interface for network control.
- Simultaneous control of user-defined groups of projectors.
- At-a-glance monitoring of projector status.

#### Projector Automation

- Real-time clock provides daily on/off automation.
- E-mail alerts for system status.

### Source Compatibility:

2D graphics standards up to 4K-UHD 3840 x 2160 resolution at 60Hz via HDMI 2.0, HDBaseT (4:2:0) and DisplayPort inputs.

3GSDI is SMPTE 292M, SMPTE 259M-C and SMPTE 424M compliant.

## Inputs/Outputs

Video & Computer			Communication & Control		
Type	Connector	Qty	Type	Connector	Qty
DisplayPort 1.2 (2D)	DisplayPort	1	LAN	RJ45	1
HDMI 2.0 (2D)	HDMI	2	RS232	9-pin D Sub	1
3G-SDI In (2D)	BNC	1	Wired Remote	3.5mm Stereo Jack	1
3G-SDI Out	BNC	1	12V Trigger	3.5mm Stereo Jack	2
HDBaseT/LAN	LAN RJ45	1			

### 3D Formats Supported

Not applicable

### HDTV Formats Supported

1080p (24Hz, 25Hz, 30Hz, 50Hz, 60Hz, 100Hz, 129Hz)  
 1080i (50Hz, 60Hz)  
 720p (50Hz, 60Hz)  
 2K (24Hz, 25Hz, 30Hz, 50Hz, 60Hz)  
 4K-UHD (24Hz, 25Hz, 30Hz, 50Hz, 60Hz)

### Computer Compatibility

2D  
 4K-UHD up to 60Hz

### Bandwidth

498 Megapixels per second via DisplayPort and HDMI 2.0.

### Remote Control

Addressable IR remote control, wireless and wired.  
 On-Board keypad.

### Automation Control

Crestron Room View® Connected  
 PJ Link Class 1  
 LAN  
 RS232  
 AMX (Device Discovery)  
 Served web pages (Projector status, Projector control,  
 Crestron RoomView®, Network settings, Alert mail setup,  
 Time setup, Error log, On screen Display )

### Colour Temperature

3200K to 9300K

### Lamp Type

Laser Light Source

### Typical Lamp Life

20,000 hours

### Lenses

Lens	Part No.	Focus Range	Lens Shift
0.77 : 1 fixed HB	110-808	1.3m - 15.0m	Vert: 0.2 (U) 0.2 (D) frame, Hor: 0.05 (L) 0.05 (R) frame
1.16 : 1 fixed HB	110-809	1.4m - 25.0m	Vert: 0.2 (U) 0.2 (D) frame, Hor: 0.05 (L) 0.05 (R) frame
1.45 - 1.74 : 1 zoom HB	110-803	1.8m - 9.3m	Vert: 0.6 (U) 0.6 (D) frame, Hor: 0.15 (L) 0.15 (R) frame
1.74 - 2.17 : 1 zoom HB	112-878	2.2m - 11.8m	Vert: 0.6 (U) 0.6 (D) frame, Hor: 0.15 (L) 0.15 (R) frame
2.17 - 2.90 : 1 zoom HB	113-852	2.7m - 15.4m	Vert: 0.6 (U) 0.6 (D) frame, Hor: 0.15 (L) 0.15 (R) frame
2.90 - 4.34 : 1 zoom HB	110-806	3.6m - 22.5m	Vert: 0.6 (U) 0.6 (D) frame, Hor: 0.15 (L) 0.15 (R) frame
4.34 - 6.76 : 1 zoom HB	110-807	5.5m - 35m	Vert: 0.6 (U) 0.6 (D) frame, Hor: 0.15 (L) 0.15 (R) frame

### Lens Mount

Motorised and programmable shift, zoom and focus.  
 Intelligent Lens Memory with 10 user-definable preset positions (on selected lenses).

### Mechanical Mounting

Front/Rear Table  
 Front/Rear Ceiling  
 Adjustable Front/Rear Feet

### Orientation

**Table Top or Inverted:** Yes  
**Pointing Up:** Yes  
**Pointing Down:** Yes  
**Roll (Portrait):** Yes

### Power Requirements

100 - 240VAC selectable, 50/60Hz single phase (At 100 - 130VAC the light output is reduced.)

### Power Consumption

1720W at 220VAC W

<b>Thermal Dissipation</b>	<b>Fan Noise</b>
5870 BTU/Hour	Full power 4K-UHD Typ: 46dBA, Max 48dBA
<b>Operating/Storage Temperature</b>	<b>Operating Humidity</b>
Operating: 0 to 35C (32 to 95F) Storage: -20 to 60C (-4 to 140F)	20% to 90% non-condensing
<b>Weight (Chassis Only)</b>	<b>Dimensions</b>
70 kg 154.3 lb	H: 30.7 cm W: 58.5 cm L: 97.0 cm H: 12.1 in W: 23.0 in L: 38.2 in
<b>Safety &amp; EMC Regulations</b>	
UL/cUL, CB, CCC, KC, RoHS (CN), FCC Class A, FDA, CE IEC EN 60825-1 Class 3R Laser Product WEEE (UK)	
<i>*Dimensions included for reference only and are subject to change. Please download the full set of CAD files for this display for more accurate information.</i>	
<b>Downloads</b>	
<a href="#">PDF CAD Drawings</a>	<a href="#">User Guides</a>
<a href="#">AUTOCAD Drawings</a>	<a href="#">Important Information</a>
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