

## HIGHlite Laser 4K

11,000 ANSI / 12,500 ISO Lumens | Contrast Ratio: 2,000:1 | Part Number: 118-081

## HIGHLITE LASER 4K 12000 DIGITAL PROJECTOR



THE VISIONARIES CHOICE

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**Colour System:**

3-chip DLP®

**DMD Specification:**

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.

**Display Type:**

3 x 0.65" 1080p DMD™

**Aspect Ratio:**

16:9

**Fill Factor**

Not applicable: Smooth Picture DMD™

## Key Features

### Environmental

- Sealed Optics
- Filterless
- Dust Resistant

### Video & Graphics Processing

- HDR 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 3840x2160 @ 60Hz (4:2:0) / 8-bit  
3840x2160 @ 30Hz (4:4:4) / 8-bit  
3840x2160 @ 30Hz (4:2:2) / 12-bit

## **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 upto 1080p.

## Inputs/Outputs

Video & Computer			Communication & Control		
Type	Connector	Qty	Type	Connector	Qty
DisplayPort 1.2	DisplayPort	1	LAN	RJ45	1
HDMI 2.0	HDMI	2	RS232	9-pin D Sub	1
3G-SDI In	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	HDTV Formats Supported
Not applicable	1080p (24Hz, 25Hz, 30Hz, 50Hz, 60Hz) 1080i (50Hz, 60Hz) 720p (50Hz, 60Hz) 2K (24Hz, 25Hz, 30Hz, 50Hz, 60Hz) 4K-UHD (24Hz, 25Hz, 30Hz, 50Hz, 60Hz)

Computer Compatibility	Bandwidth
2D 4K-UHD up to 60Hz	498 Megapixels per second via DisplayPort and HDMI 2.0.

Remote Control	Automation Control
Addressable IR remote control, wireless and wired. On-Board keypad.	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	Operation
3200K to 9300K	

Illumination Type	Typical illumination Life
Laser Light Source	20,000 hours

### Lenses

Lens	Part No.	Optimised Focus Range*	Lens Shift
0.77 : 1 fixed HB	110-808	1.3m - 15.0m	Vert: 0.38 (U) 0.38 (D) frame, Hor: 0.16 (L) 0.16 (R) frame
1.16 : 1 fixed HB	110-809	1.4m - 25.0m	Vert: 0.38 (U) 0.38 (D) frame, Hor: 0.16 (L) 0.16 (R) frame
1.45 - 1.74 : 1 zoom HB	110-803	1.8m - 9.3m	Vert: 0.5 (U) 0.5 (D) frame, Hor: 0.16 (L) 0.16 (R) frame
1.74 - 2.17 : 1 zoom HB	112-878	2.2m - 11.8m	Vert: 0.5 (U) 0.5 (D) frame, Hor: 0.16 (L) 0.16 (R) frame
2.17 - 2.90 : 1 zoom HB	113-852	2.7m - 15.4m	Vert: 0.5 (U) 0.5 (D) frame, Hor: 0.16 (L) 0.16 (R) frame
2.90 - 4.34 : 1 zoom HB	110-806	3.6m - 22.5m	Vert: 0.5 (U) 0.5 (D) frame, Hor: 0.16 (L) 0.16 (R) frame
4.34 - 6.76 : 1 zoom HB	110-807	5.5m - 35m	Vert: 0.5 (U) 0.5 (D) frame, Hor: 0.16 (L) 0.16 (R) frame

\* Lens focal ranges above are the optimised distances but are likely to focus further, please contact your RSM for more details. Lens ratio tolerances: E-Vision Series: +/-3%. HighLite Series: +/- 5%. M-Vision Series: +/- 2%. Titan Series: +/-2%, INSIGHT Series: +/-2%,

### Lens Mount

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

Mechanical Mounting	Orientation
Front/Rear Table Front/Rear Ceiling Adjustable Front/Rear Feet	Table Top or Inverted: Yes Pointing Up: Yes

Pointing Down: Yes  
Roll (Portrait): Yes

#### Power Requirements

110 - 240VAC selectable, 50/60Hz single phase  
(At 110 - 130VAC the light output is reduced to 70%.)

#### Power Consumption

1650W at 220VAC Nominal

#### Thermal Dissipation

5627 BTU/hr at 220 VAC, 4126 BTU/hr at 110 VAC

#### Fan Noise

Full power 4K-UHD Typ: 43dBA, Max 45dBA

#### Operating/Storage Temperature

Operating: 0 to 35C (32 to 95F)  
Storage: -20 to 60C (-4 to 140F)

#### Operating Humidity

20% to 90% non-condensing

#### Weight (Chassis Only)

70 kg  
154.3 lb

#### Dimensions

H: 30.7 cm W: 58.5 cm L: 97.0 cm  
H: 30.7 cm W: 70.1 cm L: 97.0 cm (with handles)  
H: 12.1 in W: 23.0 in L: 38.2 in  
H: 12.1 in W: 27.6 in L: 38.2 in (with handles)

#### Safety & EMC Regulations

UL/cUL, CB, CCC, KC, RoHS (CN), FCC Class A, FDA, CE  
IEC EN 60825-1:2014 Class 1 Laser Product  
IEC 60825-1:2007 Class 3R Laser Product  
IEC EN 62471-5:2015 Risk Group 2  
WEEE (UK)

#### Accessories

##### Accessory

RapidRig™ Frame  
Infrared Remote (replacement)

##### Part No.

117-705  
118-678

*\*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.*

#### Downloads

[PDF CAD Drawings](#)

[User Guides](#)

[AUTOCAD Drawings](#)

[Laser Risk Group Document](#)

[STEP / IGS Drawings](#)

[Important Information](#)

[Lens CAD Drawings](#)

[Important Information \(Korean\)](#)

[Control Protocol](#)



Certificate Number 13629  
ISO 9001

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