

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

Colour System:	DMD Specification:
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.
Display Type:	Aspect Ratio:
3 x 0.65" 1080p DMD™	16:9
	Fill Factor
	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

Thermal Dissipation

5870 BTU/Hour

Fan Noise

Full power 4K-UHD Typ: 46dBA, Max 48dBA

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: 12.1 in W: 23.0 in L: 38.2 in

Safety & EMC Regulations

UL/cUL, CB, CCC, KC, RoHS (CN), FCC Class A, FDA, CE

IEC EN 60825-1 Class 3R Laser Product

WEEE (UK)

**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](#)

[Important Information](#)

Specifications subject to change without notice. Digital Projection version: - ©2016 Digital Projection.
DLP®, Digital Light Processing™ and DMD are trademarks of Texas Instruments, Inc

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

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, CHINA TOWER C, RM C1202, CAI FU JIA YUAN, NO. 19 XIAO YING STREET, CHAOYANG DISTRICT BEIJING, PR CHINA 100101
T: +86.10.58239771 | F: +86 10 58239770

DIGITAL PROJECTION, ASIA 16 NEW INDUSTRIAL ROAD, #02-10 HUDSON TECHNOCENTRE SINGAPORE 536204
T: +65.6284.1138 | F: +65.6284.1238