

HIGHlite Laser 4K

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: 3-chip DLP®	DMD Specification: Display capability up to 4K-UHD. 8.3 megapixels on screen at 4K-UHD (3840 x 2160).
Display Type: 3 x 0.65" 1080p DMD™	Fast transit pixels for smooth greyscale and improved contrast. 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	24x7 Operation

Lamp Type	Typical Lamp Life
Laser Light Source	20,000 hours

Lenses

Lens	Part No.	Optimised Focus	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	Table Top or Inverted: Yes
Front/Rear Ceiling	Pointing Up: Yes
Adjustable Front/Rear Feet	Pointing Down: Yes
	Roll (Portrait): Yes

Power Requirements	Power Consumption
--------------------	-------------------

110 - 240VAC selectable, 50/60Hz single phase(At 110 - 130VAC the light output is reduced to 70%.)	1650W at 220VAC NominalW
--	--------------------------

Thermal Dissipation	Fan Noise
---------------------	-----------

5630 BTU/Hour	Full power 4K-UHD Typ: 43dBA, Max 45dBA
---------------	---

Operating/Storage Temperature	Operating Humidity
-------------------------------	--------------------

Operating: 0 to 35C (32 to 95F) Storage: -20 to 60C (-4 to 140F)	20% to 90% non-condensing
---	---------------------------

Weight (Chassis Only)	Dimensions
-----------------------	------------

70 kg 154.3 lb	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	Part No.
RapidRig™ Frame	117-705
Infrared Remote (replacement)	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	User Guides German
	User Guides French
	Important Information



Certificate Number 13629
ISO 9001

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, 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 A2006, ShaoYaoJu 101 North lane, Shi AO International Center, Chao Yang District, Beijing, 100029, PR CHINA
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