

HIGHlite Laser 12k WUXGA 3D (Preliminary)

12,000 ANSI Lumens | Contrast Ratio: 2,000:1 | Part No:114-199

HIGHlite Laser 12k Digital Projector



Colour System: 3-chip DLP®	DMD Specification: 1920 x 1200 pixels native, +/- 12° tilt angle Fast transit pixels for smooth greyscale and improved contrast.
Display Type: 3 x 0.67" DarkChip™ DMD™	Aspect Ratio: 16x10 Fill Factor 87%

Key Features

Video & Graphics Processing

- HDMI 1.4 for Side by Side, Frame Packing & Top Bottom Formats.
- Dual Flash Processing can be used to multiply the displayed frame rate for 3D sources (example 144Hz display).
- Dual Pipe Processing: Two sources in parallel for Left and Right Eyes.
- Synchronisation of active glasses or polarising switcher.
- High Bandwidth Digital & Analog Receiver with 10 Bit A-D.
- 3GSDI with loop-through.
- The projector automatically detects interlaced video and implements 3:2 or 2:2 extraction as appropriate, with pixel based, motion adaptive interpolation and auto cadence correction.
- 24p and 1080p native display.

Geometry Correction

- Cornerstone, Vertical & Horizontal Keystone, Pincushion & Barrel, and Image Rotation.
- Blanking control for custom input window sizing.

Edge Blending

- Correction for non-active pixels at the edge of the display.

HDBaseT® Interface

- Built in support for transmission of uncompressed High Definition Video over standard CAT5e/6 LAN cable.
- Allows projector to be placed up to 80m from source with low cost cabling.

ColorMax™

- Accurate matching of projectors in tiled or blended applications.
- User selection and storage of primary and secondary color targets.

Projector Controller Software

- Intuitive user interface for network control
- Simultaneous control of user-defined groups of projectors

- At-a-glance monitoring of projector status

Source Compatibility:

HDMI including Deep Color™ processing and 3D standards.
 Dual Link DVI accepts graphics standards up to 1920 x 1200 at 120Hz.
 3GSDI is SMPTE 292M, SMPTE 259M-C and SMPTE 424M compliant.
 Graphics standards up to 1920 x 1200 resolution at via DVI, HDMI or VGA.
 Component Video (SD and HD) via YPrPb or RGB.

Inputs/Outputs

Video & Computer			Communication & Control		
Type	Connector	Qty	Type	Connector	Qty
HDMI 1.4	HDMI	2	3D Sync Out	BNC	1
DVI - Dual Link DVI-D	DVI	1	3D Sync In	BNC	1
HDBaseT	RJ45	1	LAN	RJ45	1
3G-SDI In	BNC	1	RS232	9-pin D Sub	1
3G-SDI Out	BNC	1	IR Input	3.5mm Stereo Jack	1
VGA	15-pin D-Sub	1	12V Trigger	3.5mm Stereo Jack	2
Component Video	3 x BNC	1	Service Port	USB Type A	1
Component Video	3 x RCA	1			

3D Formats Supported

Frame Packing
 Dual Pipe
 Frame Sequential
 Side By Side (half)
 Top and Bottom

HDTV Formats Supported

1080p (23.98Hz, 24Hz, 25Hz, 29.97Hz, 30Hz, 50Hz, 59.94Hz, 60Hz), 1080i (50Hz, 59.94Hz, 60Hz), 720p (50Hz, 59.94Hz, 60Hz)

Computer Compatibility

Up to 1920 x 1200

Bandwidth

170 MHz on analog RGB
 165 Megapixels per second on HDMI and DVI
 297 Megapixels per second on Dual Link DVI

Remote Control

IR Remote Control
 On-Board keypad

Automation Control

LAN
 RS232

Colour Temperature

User selectable from 3200 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 - 2.5m	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 - 6.2m	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 shift, zoom and focus.

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

200 - 240VAC 50/60Hz single phase

Power Consumption

1600W

Thermal Dissipation

Fan Noise

5027 BTU/Hour

48 dBA

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)

46.5 kg
102.5 lb

Dimensions

H: 29.0 cm W: 55.2 cm L: 67.0 cm (88.7 cm w/lens hood)
H: 11.4 in W: 21.7 in L: 26.4 in (34.9 in w/lens hood)

Safety & EMC Regulations

CE, FCC Class A , UL, CCC

Accessories

Accessory

Ceiling Mount Kit w/plate & 500mm pole
Infrared Remote (replacement)

Part No.

112-942
115-758

**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](#)

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