

HIGHLite Laser 12k WUXGA 3D (Preliminary)

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

HIGHLite Laser 12k Digital Projector



Colour System:	DMD Specification:
3-chip DLP®	1920 x 1200 pixels native, +/- 12° tilt angle Fast transit pixels for smooth greyscale and improved contrast.
Display Type:	Aspect Ratio:
3 x 0.67" DarkChip™ DMD™	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 100m from source with low cost cabling.

Source Compatibility:

HDMI including Deep Color™ processing and 3D standards.

DVI with HDCP compliance.

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

Graphics standards up to 1920 x 1200 resolution at 60Hz 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-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	Wired Remote	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	HDTV Formats Supported
Frame Packing Dual Pipe Frame Sequential Side By Side (half) Top and Bottom	1080p (23.98Hz, 24Hz, 25Hz, 29.97Hz, 30Hz, 50Hz, 59.94Hz, 60Hz), 1080i (50Hz, 59.94Hz, 60Hz), 1080sf (23.98Hz, 24Hz), 720p (50Hz, 59.94Hz, 60Hz)

Computer Compatibility	Bandwidth
Up to 1920 x 1200	170 MHz on analog RGB 165 Megapixels per second on HDMI and DVI

Remote Control	Automation Control
IR remote control, wireless and wired. On-Board keypad	LAN RS232

Colour Temperature
User selectable from 5400 to 9300K

Illumination Source	Illumination Life
Laser Light Source	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	110-804	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	110-805	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	Orientation
Front/Rear Table Front/Rear Ceiling Adjustable Front/Rear Feet	Table Top or Inverted: Yes Pointing Up: TBD Pointing Down: TBD Roll (Portrait): TBD

Power Requirements	Power Consumption
200 - 240VAC 50/60Hz single phase	1600W

Thermal Dissipation	Fan Noise
5027 BTU/Hour	48 dBA

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
45 kg 99.2 lb	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

Downloads

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