

HIGHlite 740 1080p

10,000 ANSI Lumens | Contrast Ratio: 2,000:1 | Part No:113-901

Highlite 740 Series Digital Projectors

DIGITAL  **PROJECTION**

Colour System: 3-chip DLP®	DMD Specification: 1920 x 1080 pixels native. Fast transit pixels for smooth greyscale and improved contrast.
Display Type: 3 x 0.65" DarkChip™ DMD™	Aspect Ratio: 16x9 Fill Factor 87%

Key Features

Video & Graphics Processing

- High Bandwidth Digital & Analogue Receiver with 10 Bit A-D.
- 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.
- Displayed image frame locked to input with as low as 1 frame total latency.
- 24p and 1080p native display.
- Image enhancement for MPEG, Mosquito noise & Colour Transients in composite sources.

Geometry Correction

- Cornerstone, Vertical & Horizontal Keystone, Pincushion & Barrel, and Image Rotation.
- Non-Linear Warp adjustment by moving points on an interpolated grid.

Edge Blending

- Semi-automated Multi Projector Tiling
- Correction for non-active pixels at the edge of the display.

Super Image Clarity

- Geometry correction and Edge Blending implemented in single stage process, retaining maximum image resolution.

Picture in Picture

- Two sources can be displayed either one within the other (PIP), or side by side, with original aspect ratios maintained.

ColorMax™

- Accurate matching of projectors in tiled or blended applications.
- User Selection and storage of Primary and Secondary colour 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:

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

HDMI and DVI include Deep Color™ processing up to 36 bit.

DVI inputs are HDMI compatible.

Digital Audio Extraction via SPDIF for HDMI sources.

Graphics standards up to 1920 x 1200 at 60Hz via DVI or VGA.

Component Video (SD & HD) via YPrPb, RGB or RGBS.

S-Video (PAL, NTSC & SECAM)

Composite Video (PAL, NTSC & SECAM)

Inputs/Outputs

Video & Computer			Communication & Control		
Type	Connector	Qty	Type	Connector	Qty
DVI-D / DVI-A	DVI-I	1	LAN	RJ45	1
HDMI 1.3	HDMI	1	RS232	9-pin D Sub	1
3G-SDI	BNC	1	Wired Remote In	3.5mm Stereo Jack	1
VGA / Analog RGB	15-pin D-Sub	1	Wired Remote Out	3.5mm Stereo Jack	1
Component Video	4 x BNC	1	Service Port	USB Type B	1
S-Video	4-pin Mini DIN	1			
Composite Video	RCA	1			
Composite Video	BNC	1			
Audio					
SPDIF Digital Output	RCA	1			

3D Formats Supported

Not applicable

HDTV Formats Supported

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

Up to 1920 x 1200

Bandwidth

170 MHz on analog RGB

165 Megapixels per second on HDMI and DVI

Remote Control

Addressable IR remote control, wireless and wired with loop-through.

On-Board keypad

Automation Control

RS232

LAN

Colour Temperature

User selectable from 3200 to 9000K

Lamp Type

2 x 370W High Intensity Discharge

Typical Lamp Life

Full Power: 1500 hours (up to 3000 hours in lamp sequential mode)

Eco Mode : 2000 hours (up to 4000 hours in lamp sequential mode)

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

Orientation

Front/Rear Table
Front/Rear Ceiling
Adjustable Front/Rear Feet
Optional RapidRig™ frame with integrated pitch, roll and yaw adjustments.

Table Top or Inverted: Yes

Pointing Up: Yes

Pointing Down: Yes

Roll (Portrait): Yes

Power Requirements

90 - 240VAC 50/60Hz single phase

Power Consumption

950W

Thermal Dissipation

3241 BTU/Hour

Fan Noise

39dBA

Operating/Storage Temperature

Operating: 0 to 40C (32 to 104F)

Storage: -20 to 60C (-4 to 140F)

Operating Humidity

20% to 90% non-condensing

Weight (Chassis Only)

33 kg

72.8 lb

Dimensions

L: 66.5 cm W: 50 cm H: 22 cm

L: 26.2 in W: 19.7 in H: 8.7 in

Safety & EMC Regulations

CE, FCC Class A & B, UL, CCC, KC

**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: 1.1 - 14-Aug-13 ©2012 Digital Projection. DLP®, Digital Light Processing™ and DMD are trademarks of Texas Instruments, Inc

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