

HIGHlite 660 WUXGA 3D

8,000 ANSI Lumens | Contrast Ratio: 2,000:1 | Part No:113-137



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

Standard Inputs (1-8): Front End Video Capabilities

Video & Graphics Processing

- High bandwidth digital & analog receiver with 10 bit A-D.
- Automatic detection of interlaced video and implementation of 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 & color 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.

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.

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 color targets.

High Bandwidth Inputs (9-11): Bypassing Front End for Minimal Latency

- Pixel mapped to the display.
- 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).
- FastFrame™ Smear Reduction.
- Dual Pipe processing: two sources in parallel for left and right eyes.
- Synchronisation of active glasses or polarising switcher.

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 and HD) via YPrPb, RGB or RGBS.

S-Video (PAL, NTSC & SECAM)

Composite Video (PAL, NTSC & SECAM)

High Bandwidth, Pixel Mapped Path:

Dual Pipe accepts graphics standards up to 1920 x 1200 at 120Hz.

HDMI 1.4 including 3D Standards

Dual Pipe (2 x DVI)

Inputs/Outputs

Video & Computer			Communication & Control		
Type	Connector	Qty	Type	Connector	Qty
DVI-D / DVI-A	DVI-I	1	3D Sync Out	BNC	1
HDMI 1.3	HDMI	1	3D Sync In	BNC	1
3G-SDI	BNC	1	LAN	RJ45	1
HDBaseT	RJ45	1	RS232	9-pin D Sub	1
VGA / Analog RGB	15-pin D-Sub	1	Wired Remote In	3.5mm Stereo Jack	1
Component Video	4 x BNC	1	Wired Remote Out	3.5mm Stereo Jack	1
S-Video	4-pin Mini DIN	1	Service Port	USB Type B	1
Composite Video	RCA	1			
Composite Video	BNC	1			
High Bandwidth Ports					
Dual Pipe	DVI-D	1			
HDMI 1.4	HDMI	2			
Audio					
SPDIF Digital Output	RCA	1			
3D Formats Supported			HDTV Formats Supported		
Frame Packing			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)		
Dual Pipe					
Frame Sequential					
Side By Side (half)					
Top and Bottom					
Computer Compatibility			Bandwidth		
Up to 1920 x 1200			170 MHz on analog RGB 165 Megapixels per second on HDMI and DVI 300 Megapixels per second on Dual Pipe DVI		
Remote Control			Automation Control		
Addressable IR remote control, wireless and wired with loop-through. On-Board keypad			RS232 LAN		
Colour Temperature					
User selectable from 3200 to 9000K					
Lamp Type			Typical Lamp Life		
2 x 330W High Intensity Discharge			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			Table Top or Inverted: Yes		
Front/Rear Ceiling			Pointing Up: Yes		
Adjustable Front/Rear Feet			Pointing Down: Yes		
Optional RapidRig™ frame with integrated pitch, roll and yaw adjustments.			Roll (Portrait): Yes		
Power Requirements			Power Consumption		

90 - 240VAC 50/60Hz single phase

840W

Thermal Dissipation

2866 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)

27 kg

60 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

Accessories

Accessory

HIGHlite 660 Lamp & Housing

Rigging Frame

Infrared Remote (Replacement)

Ceiling Mount Kit w/plate & 500mm pole

Part No.

111-100

112-267

105-023

112-942

**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: 1.7 - 14-Aug-13 ©2012 Digital Projection. DLP®, Digital Light Processing™ and DMD are trademarks of Texas Instruments, Inc

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