

E-Vision 6800 WUXGA 3D

6,500 ANSI Lumens | Contrast Ratio: 2,400:1 (Dynamic Black) 1,000:1 native | Part No:116-051



Colour System:

4 Segment RGWB Colour Wheel for maximum brightness.
6 Segment RGBCMY Colour Wheel for optimised colourimetry - user swappable.

DMD Specification:

1920 x 1200 pixels native, +/- 12° tilt angle
Fast transit pixels for smooth greyscale and improved contrast.

Aspect Ratio:

16x10

Display Type:

1 x 0.67" DarkChip™ DMD™

Fill Factor

87%

Key Features

Video & Graphics Processing

- HDMI 1.4 for Side by Side, Frame Packing & Top Bottom 3D Formats.
- BrilliantColor™ for increased system brightness.
- DynamicBlack™ for improved black levels in dark scenes.
- Independent control of hue, saturation and gain for primary and secondary colours.
- 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.
- Image enhancement for MPEG, Mosquito noise & Colour Transients in composite sources.

Geometry Correction

- Vertical and horizontal keystone correction.

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.
Graphics standards up to 1920 x 1200 resolution at 60Hz via DVI, HDMI or VGA.
DVI single link with HDCP compliance.
Component Video (SD and 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
HDMI 1.4	HDMI	1	LAN	RJ45	1
DVI-D - Single Link DVI	DVI	1	RS232	9-pin D Sub	1
HDBaseT	RJ45	1	12V Trigger	3.5mm Stereo Jack	1
VGA / Analog RGB In	15-pin D-Sub	1	Service Port	USB Type B	1
VGA / Analog RGB Out	15-pin D-Sub	1			
Component Video	3 x RCA	1			
Component Video	5 x BNC	1			
S-Video	4-pin Mini DIN	1			
Composite Video	RCA	1			

3D Formats Supported	HDTV Formats Supported
Frame Packing Side By Side (half) Top and Bottom	1080p (24Hz, 25Hz, 30Hz, 50Hz, 60Hz), 1080i (50Hz, 60Hz), 720p (50, 60Hz)

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

Remote Control	Automation Control
IR Remote Control On-Board keypad	LAN RS232 Crestron RoomView® Connected PLink

Colour Temperature
User selectable from 6500 to 9300K

Lamp Type	Typical Lamp Life
2 x 280W High Intensity Discharge	Full Power: 2500 hours (up to 5000 hours in lamp sequential mode) Eco Mode : 3000 hours (up to 6000 hours in lamp sequential mode)

Lenses			
Lens	Part No.	Focus Range	Lens Shift
0.76 :1 fixed	112-499	0.81m - 5.08m	none
0.75 - 0.93 :1 zoom	115-339	1.02m - 12.7m	Vert: 0.5 (U) 0 (D) frame, Hor: 0.1(L) 0.1 (R) frame
1.25 - 1.79 :1 zoom	112-500	1.33m - 11.73m	Vert: 0.5 (U) 0 (D) frame, Hor: 0.1(L) 0.1 (R) frame
1.72 - 2.27 :1 zoom	112-501	1.83m - 14.9m	Vert: 0.5 (U) 0 (D) frame, Hor: 0.1(L) 0.1 (R) frame
2.22 - 3.67 :1 zoom	112-502	2.36m - 24.2m	Vert: 0.5 (U) 0 (D) frame, Hor: 0.1(L) 0.1 (R) frame
3.58 - 5.38 :1 zoom	112-503	3.8m - 35.35m	Vert: 0.5 (U) 0 (D) frame, Hor: 0.1(L) 0.1 (R) frame
5.31 - 8.26 :1 zoom	112-504	5.59m - 54.8m	Vert: 0.5 (U) 0 (D) frame, Hor: 0.1(L) 0.1 (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: Yes Pointing Down: Yes Roll (Portrait): +/-10° from horizontal

Power Requirements	Power Consumption
100-240VAC 50/60Hz single phase	715W

Thermal Dissipation	Fan Noise
2440 BTU/Hour	39 dBA, Eco 34dBA

Operating/Storage Temperature	Operating Humidity
Operating: 5 to 40C (41 to 104F) Storage: -10 to 60C (14 to 140F)	5% to 90% non-condensing

Weight (Chassis Only)	Dimensions

16.1 kg
35.5 lb

L: 55.3 cm W: 40.4cm H: 22 cm
L: 21 in W: 15.9 in H: 8.7 in

Safety & EMC Regulations

CE, CB, FCC Class A, UL, CCC

Accessories

Accessory	Part No.
Lamp & Housing	116-380
Infrared Remote (replacement)	112-377
Ceiling Mount Kit w/plate & 500mm pole	112-940
Gyrolock Ceiling Mount Kit w/plate & 230 - 300mm adjustable pole	112-410
Swivel Truss Mount Kit - fully adjustable for up to 50kg	116-201
Replacement Filter Set	116-377

**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](#)

[AUTOCAD Drawings](#)

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