

E-Vision Series

E-Vision WXGA 600 (Eon WXGA-6000 outside the US)



PERFORMANCE SPECIFICATIONS

Brightness (±10%)
6000 ANSI Lumens

Contrast Ratio (±10%)
2400:1 (1000:1 native contrast)

Display Type
1 x 0.65" DMD™ 12° for improved contrast

DMD Specification
1280 x 800 pixels native

Sequential Color Management

- 4-Segment Color Wheel and 6-Segment Color Wheel included - user swappable
- "BrilliantColor" for improved brightness and color performance

Source Compatibility

- Composite, s-video, and color difference video standards
- RGB graphics standards up to 1600 x 1200 @ 60Hz
- High definition RGB and component standards
- DVI single link standard with HDCP compliance

Video Compatibility

- HDTV
- SDTV

Bandwidth (up to)

- 170 MHz on analog RGB
- 170 MHz on DVI

Aspect Ratio (native)
16 x 10 - WXGA

Network Connection
LAN via RJ 45

Lamp Type
Dual High Intensity Discharge module

Lamp Life (typical)¹
2000 hours dual lamp mode / up to 6000 hours in sequential and ECO single lamp mode

Lens Mount
Motorized horizontal and vertical lens shift, zoom and focus
Fixed: lens is manual focus

Lens Shift (maximum)

Horizontal:
.1 of frame if vertical shift is at 0% position

Vertical:
.5 of frame if horizontal shift is at 0% position

NOTE: .77 fixed lens has NO LENS SHIFT as it is meant as an on-axis lens and is best suited for rear screen projection applications.

Lens Options
WXGA

0.77	:1 fixed
1.33 - 1.79	:1 zoom
1.78 - 2.35	:1 zoom
2.22 - 4.43	:1 zoom
4.43 - 8.3	:1 zoom

- High-contrast lens available

Mechanical Mounting
Front or rear table; Front or rear ceiling (ceiling mount optional)

Dimensions (excluding lens)
15.6in(L) x 20.3in(W) x 8.2in(H)
397mm(L) x 517mm(W) x 209.7mm(H)

Weight (chassis only)
44 lbs (20kg)

Overview

Digital Projection International (DPI), an Emmy® Award-winning manufacturer of high-performance projection systems, is pleased to introduce the E-Vision series - the newest product in our high-brightness, high-value projection line. As the first display in the new series to be unveiled, the E-Vision WXGA 600 serves as a remarkably affordable projector benefiting from the imaging fidelity of Texas Instruments' DLP® technology. With numerous lens options, user swappable color wheels and advanced color controls, the 6,000 lumen E-Vision WXGA 600 continues DPI's legacy of developing powerful, efficient displays for every commercial application imaginable.

Weighing in at just 44 lbs., the dual-lamp E-Vision WXGA 600 employs the latest in Texas Instruments' 1280 x 800 dark metal DLP® technology to deliver 6,000 lumens and up to 2400:1 contrast. Robustly built and ultra-quiet, the E-Vision WXGA 600 is an unmatched solution for corporate boardrooms, conference venues, Houses of Worship, digital signage, and any other application needing bright, accurate imagery at an remarkably accessible price point.

The E-Vision WXGA 600 delivers high performance features as well as a compelling price. A variety of fixed and zoom lens options gives the E-Vision WXGA 600 a flexible throw ratio range of .77:1 – 8.3:1. Swappable color wheel options allow the integrator or the end user to easily install the color wheel that provides the best balance of lumens and color depth to complement their application objectives and venue lighting conditions.

Other key benefits of the E-Vision WXGA 600 include:

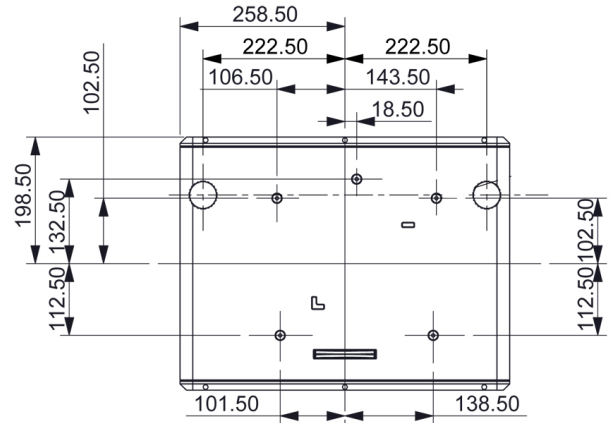
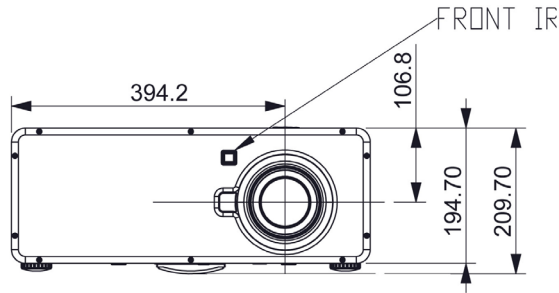
- Advanced video processing featuring class leading de-interlacing with SD and HD sources processed using auto 3:2 and 2:2 extraction.
- Six user-selectable inputs, including HDCP compliant DVI .
- Up to 14 Bit color for high greyscale performance and exceptional color depth.
- Easy to change, user swappable color wheels - four segment for maximum light output and six segment for maximum color performance. Changing color wheels is achieved in minutes.
- A range of precision optics with extended lens shift enable unsurpassed installation flexibility and optical performance.
- Rugged and capable lens mount, provides motorized zoom, focus, horizontal and vertical lens shift.
- Dual lamp design provides high brightness with lowest cost of owner ship. Each set of lamps can deliver up to 6000 hours of operational life, when operated in sequential eco mode.

DPI's new E-Vision WXGA 600 - an affordable, flexible and visually impressive projection solution for demanding venues and applications.

INPUT CAPABILITIES

Type	Connector	Quantity
Composite	RCA	1
S-Video	4-pin mini DIN	1
Component Interlaced/Std def Y, Cr/Pr, Cb/Pb,	RCAx3	1
Graphics Progressive RGB/Progressive Interlaced Hi def Y, Cr/Pr, Cb/PB	BNCx5	1
RGBHV (Progressive)	D-sub (15-pin)	1
Digital RGB	Single Link DVI	1
Audio Composite/ S-Video	RCAx2	1
Component Graphics	RCAx2	1
Graphics	3.5mm Mini Jack	1
RGBHV	3.5mm Mini Jack	1
Digital RGB	3.5mm Mini Jack	1
Output Monitor output	D-sub (15-pin)	1

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ADVANCED TECHNICAL SPECIFICATIONS



PARAMETERS	
Native Colour Temperature	6100°K ±1000°K; white balance-adjustment: 3000°K to 10000°K
HDTV Formats Supported	1080i (50Hz, 60Hz), 1080p (24Hz, 25Hz, 30Hz, 50Hz, 60Hz), 1080 24sf, 720p (50, 60Hz), 480i, 480p
Scan Rates Supported	Horizontal: 15kHz to 90kHz / Vertical: 50Hz to 85Hz Digital only 24,25,30 Hz
Remote Control	Addressable IR remote control / On board keypad
Automation Control	LAN connection via RJ45 / RS232 9-pin D type
Operating/Storage Temperature	Operating: 5°C to 40°C / Storage: -10 to 60°C
Operating Humidity	10 to 85% non-condensing
Thermal Dissipation	2422 BTU/hr
Fan Noise	Less than 39dBA (ECO 34dBA)
Power Requirements	100-240 VAC, 50/60Hz single phase
Power Consumption	730 watts maximum

Projectors

E-Vision WXGA 600

Part

109-542

Accessories

Single 300W Lamp & Housing (2 required)
Adjustable Ceiling Mount
Infrared Remote
Adapter Plate for Kino Torsion System

Part

110-284
111-182
110-385
111-183

Lenses

0.77:1
1.33 - 1.79:1
1.78 - 2.35:1
2.22 - 4.43:1
4.43 - 8.3:1

Part

109-544
109-545
109-546
109-547
109-548

1 Based on 4-6 hour/day operational profile. Venue and application conditions may impact actual lamp life. See Digital Projection's Product Warranty Statement for details on lamp warranty. Installations requiring horizontal or vertical tilt orientations greater than 15 degrees may reduce the actual operational hours of one of the two lamps.

