



dVision LED Displays

dVision 1080p LED • dVision WUXGA LED • dVision WQXGA LED
dVision 35-1080p LED + IR • dVision 35-WUXGA LED + IR • dVision 35-WQXGA LED + IR



PERFORMANCE SPECIFICATIONS

Brightness ($\pm 10\%$) / Contrast (full on/off)
1100 ANSI / 2000:1

Display Type
DarkChip™ DMD

Sequential Color Management
RGB LED

Native Resolution
1080p: 1920 x 1080 pixels
WUXGA: 1920 x 1200 pixels
WQXGA: 2560 x 1600 pixels

Computer Compatibility
Up to 2560 x 1600

Video Compatibility
HDTV, NTSC, PAL, SECAM, EDTV, SDTV

Aspect Ratio (native)
1080p: 16x9
WUXGA: 16x10
WQXGA: 16x10

Bandwidth (up to)
120 Hz (1080p, WUXGA models)
165 MHz on HDMI
330 MHz on Dual Link DVI

Lens Shift (motorized)*
0.8:1 allows no shift

1.2-1.7:1 +/- 0.58 of frame vertical and +/- 0.28 of frame horizontal

1.7-2.5:1 +/- 0.73 of frame vertical and +/- 0.35 of frame horizontal

2.5-4.6:1 +/- 0.72 of frame vertical and +/- 0.35 of frame horizontal

Motorized Iris
Enables the user to optimize lumen/contrast performance

Lenses
1080p/WUXGA WQXGA:
.75:1* .8:1*
.92:1 1.2-1.7:1
1.1:1 1.7-2.5:1
1.2-1.6:1 2.5-4.5:1
1.6-2.3:1
2.3-3.7:1
3.7-6.5:1

Image Size
0.5-20 meters (-ft) wide

Lamp Life (Typical)
100,000 hours via solid state illumination

Mechanical Mounting
Any orientation

Operating Noise Level
TBD

Dimensions (excluding lens)
14.8in(L) x 20in(W) x 8.8in(H)
376mm(L) x 510mm(W) x 223mm(H)

Weight (chassis only)
27.8lbs (12.6kg)

Optional
IR LED/NVG Stimulation

Overview

Digital Projection International proudly introduces three new LED-based "Lifetime Illumination" DLP projectors. DPI's new dVision LED displays present three compelling solutions for critical simulation projection applications, as well as any application needing long-life projection systems with unmatched color saturation, lumen maintenance and color stability. As DPI's LED-based displays do not contain traditional lamps, all three dVision LED projectors deliver unprecedented long-term cost of ownership benefits including lower overall maintenance and over 100,000 hours of LED illumination life. Delivering a brightness level of 1,200 lumens, DPI's new dVision displays introduce the most powerful LED projector solutions available today.

A combination of consistently stable, long-term light output and supremely low-maintenance illumination systems defines DPI's new dVision LED displays. All three projectors utilize Texas Instruments' DarkChip DLP technology, ensuring unmatched black levels and dynamic range. Equally important—the RGB-based LED illumination module eliminates the need for a color wheel to produce primary colors. Instead, red, green and blue LED's produce primary color illumination, rendering a color gamut and color saturation similar to what a 3-chip DLP projector can produce. In addition, since there is no spinning color wheel in the system, color wheel artifacts are eliminated, and fast-moving content appears remarkably sharp and free of motion smear.

In order to further serve simulation-specific applications, all dVision LED displays can be ordered with an optional IR LED that enables seamless switching from day to stimulation NVG night mode. Separate IG control is also available for IR capability.

Installation flexibility is assured through an extensive array of ultra-accurate optics, which provide throw ratios as short as .8:1 and as long as 4.6:1. Furthermore, the dVision's quick-change motorized lens mount provides an extensive range of horizontal and vertical lens shift, allowing the projectors to be placed at extreme positions with respect to the screen, without significant geometric distortion. Intuitive user controls and comprehensive source compatibility assure all dVision displays are simple to integrate, control and operate.

As is the case with all Digital Projection displays, our careful engineering and superior customer and technical service guarantee dVision projectors will provide remarkable imaging and reliability for years to come.

INPUT / OUTPUT CAPABILITIES

Input	Connector	Quantity
Video & computer		
VGA / analog RGB	15-pin female HD-DSUB	2
RGB analog	BNCx5 - female	1
Display Port		2
Dual link DVI	DVI-D - female	2
HDMI 1.3a	HDMI	2
Component Video	RCAX3 - female	1
S-Video	4-pin mini DIN- female	1
Composite Video	RCAX1- female	1
Communication & control		
RS232 (in/out)	9-pin DSUB - female	1
USB (for control & firmware updates)	USB - female	1
LAN (for control & firmware updates)	RJ-45 - female	1
Screen/Aspect trigger	3.5mm mini-sub	2
Remote control	3.5mm stereo jack- female	1

* No lens shift capability on short throw fixed lens

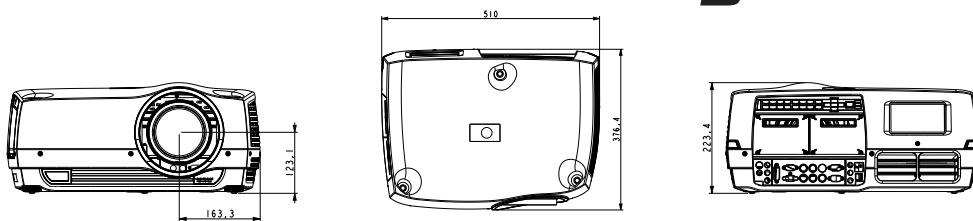
Specifications subject to change without notice
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PRELIMINARY

dVision LED Displays

DIGITAL  **PROJECTION**



Projector Dimensions




Projector dimensions (in)
L1 14.8 W1 20 H1 8.8

Projector dimensions (mm)
L1 376 W1 510 H1 223



dVision back panel

ADVANCED TECHNICAL SPECIFICATIONS

PARAMETERS	  
HDTV Formats Supported	1080p, 1080i, 720p, 576i/p, 480i, 480p
Scan Rates Supported	Horizontal: 15-150kHz; Vertical: 48-190Hz
Remote Control	Remote wireless IR / wired thru 3.5mm stereo jack
Automation Control	RS232 9-pin D sub / RJ45 LAN / USB
Operating/Storage Temperature	Operating: 32 to 104°F at 0-4950 ft, 32 to 95°F at 4950-9000 ft / Storage: 14 to 104°F
Operating Humidity	20 to 90% RH
Thermal Dissipation	<1100 BTU/hour
Fan Noise	30dB
Power Requirements	100-240 VAC, 50/60Hz ±10%
Power Consumption	<350W
Safety and EMC Regulations	CE, UL, cUL, FCC Class A

dVision 35-WQXGA

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Part

110-902
110-903
110-704
111-782
111-783
111-784

1080p/WUXGA Lenses

.75:1
.75-1.13:1 (throw distance 1-10 meters)
.75-1.13:1 (throw distance 5-30 meters)
.92:1
1.1:1
1.2-1.6:1
1.6-2.3:1
2.3-3.7:1
3.7-6.5:1

Part#

104-083
112-540
112-539
110-810
104-084
104-085
104-086
104-087
104-088

WQXGA

.8:1
0.8-1.21:1 (throw distance 1-10 meters)
0.8-1.21:1 (throw distance 5-30 meters)
1.2-1.7:1
1.7-2.5:1
2.5-4.5:1

Part#

110-730
112-540
112-539
110-731
110-732
110-733

Accessories

dVision 30 Adjustable ceiling mount
Infrared remote (replacement)
24/7 Maintenance Kit

Part

106-310
104-091
107-749

