DIGITAL PROJECTION
Precision Displays for Every Venue

PRELIMINARY

dVision 35-1080p LED | dVision 35-WUXGA LED | dVision 35-WQXGA LED

dVision LED Displays

dVision 1080p LED • dVision WUXGA LED • dVision WQXGA LED

PERFORMANCE SPECIFICATIONS

Brightness (±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)[1]
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

* No lens shift capability on short throw fixed lens

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 sintegrate, 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

Specifications subject to change without notice
DP V1.2 07/21/12

PRELIMINARY

dVision LED Displays

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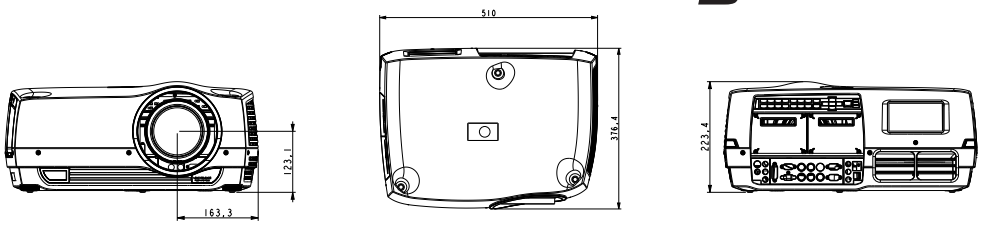

Projector Dimensions

Projector dimensions (in)	Projector dimensions (mm)
L1 14.8 W1 20 H1 8.8	L1 376 W1 510 H1 223

dVision back panel

ADVANCED TECHNICAL SPECIFICATIONS

PARAMETERS	dVision 35-1080p LED / dVision 35-WUXGA LED / dVision 35-WQXGA LED
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	**Part #**
dVision 30-1080p LED	110-902
dVision 30-WUXGA LED	110-903
dVision 35-WQXGA LED	110-704

1080p/WUXGA Lenses	**Part#**
.75:1	104-083
.75-1.13:1 (throw distance 1-10 meters)	112-540
.75-1.13:1 (throw distance 5-30 meters)	112-539
.92:1	110-810
1.1:1	104-084
1.2-1.6:1	104-085
1.6-2.3:1	104-086
2.3-3.7:1	104-087
3.7-6.5:1	104-088

WQXGA	**Part#**
.8:1	110-730
0.8-1.21:1 (throw distance 1-10 meters)	112-540
0.8-1.21:1 (throw distance 5-30 meters)	112-539
1.2-1.7:1	110-731
1.7-2.5:1	110-732
2.5-4.5:1	110-733

Accessories	**Part #**
dVision 30 Adjustable ceiling mount	106-310
Infrared remote (replacement)	104-091
24/7 Maintenance Kit	107-749

LIFETIME ILLUMINATION

ColorMAX

PICTURE BY DLP TEXAS INSTRUMENTS

DIGITAL PROJECTION, INC. • 55 CHASTAIN ROAD, SUITE 115 KENNESAW, GA. 30144 • T: 770.420.1350 • F: 770.420.1360 • www.digitalprojection.com
DIGITAL PROJECTION, LTD. • GREENSIDE WAY, MIDDLETON MANCHESTER, UK. M24 1XX • T: +44.161.947.3300 • F: +44.161.684.7674 • www.digitalprojection.co.uk
DIGITAL PROJECTION, CHINA • TOWER C, RM C1202, CAI FU JIA YUAN, NO. 19 XIA0 YING STREET, CHAOYANG DISTRICT BEIJING, PR CHINA 100101 • T: +86.10.58239771 • F: +86 10 58239770
DIGITAL PROJECTION, ASIA • 16 NEW INDUSTRIAL ROAD, #02-10 HUDSON TECHNOCENTRE SINGAPORE 536204 • T: +65.6284.1138 • F: +65.6284.1238