

PERFORMANCE SPECIFICATIONS

Brightness ($\pm 10\%$)

4500 Lumens

Contrast Ratio ($\pm 10\%$)

2000:1

Display Type

3-chip Dark Metal DMD™ with Fast Transit Pixels for smooth greyscale and improved contrast

Native Resolution

1280 x 720 pixels*

*other resolutions are available and are quoted upon request

Sealed Optics at DMD™ Interface

Protects DMD's™ from optical contamination

Source Compatibility

- DVI graphics and HDMI/HDCP video via DVI-D interface

Video Processing

- Class leading Video de-interlacing/processing of SD and HD sources using auto 3:2 and 2:2 extraction, ruggedized for editing discontinuities
- Pixel-based motion adaptive interpolation
- User selectable preset, parametric de-gamma and user downloadable de-gamma
- Frame Delay: as low as 1 frame, source dependant
- Auto mode selection - plug and play setup

Network Connection

LAN via RJ 45, Wireless 802.11b, RS-232 via serial port, full protocol feature set

Lamp Type

Single 300W High Intensity Discharge (HID)

Lamp Life (typical)¹

2000 Hours at full power
3000 Hours in economy mode

Lens Mount

Motorized zoom and focus
Motorized horizontal and vertical offset

Lens Shift (maximum)*

Standard Lenses

Fixed Lenses:
on axis only
Zoom Lenses:
Vert: +0.5, -0.16 frames
Hor: +/-0.1 frames

Extended Offset Lenses

0.80:1 Fixed:
Vert: +0.125, -0.5 frames
Hor: +/-0.3 frames
1.32 Fixed and all Zooms:
Vert: +0.125, -0.8 frames
Hor: +/-0.3 frames

* This projector can be inverted if necessary to take advantage of the biased nature of the vertical offset capabilities.

Lens Options

Standard:

0.64	:1 fixed
0.96	:1 fixed
1.2-1.44	:1 zoom
1.44-1.8	:1 zoom
1.8-2.4	:1 zoom
2.4-3.6	:1 zoom
3.6-5.6	:1 zoom

Extended Offset:

0.80	:1 fixed
1.32	:1 fixed
1.32	:1 zoom
1.64-2.21	:1 zoom
2.21-3.03	:1 zoom
3.03-4.93	:1 zoom
4.93-7.66	:1 zoom

Mechanical Mounting

- Front or rear projection, table, or inverted mounting
- Projector can point at any angle on the vertical axis
- Horizontal tilt: +/- 15 degrees

Weight (chassis only)

110 lbs (50 kg)

ENVIRONMENTALLY SEALED PROJECTION DISPLAYS

Extending the application range of Digital Projection's TITAN platform to enable use in the harshest environments, Digital Projection International is pleased to introduce the IP65 compliant XTP platform.

After exhaustive qualification, one hundred and fifty XTP display systems have been installed in a world famous mass transit system for the projection of cross-track advertising and digital signage. The venues are comprised of underground subway platforms, venues which present very challenging operational environments, characterized by high density airborne contaminants, variable ambient temperature and humidity and repetitive events of thunderous vibration. Even in these very harsh venues, millions of eyes will view the messaging and advertising displayed by the XTP systems.

Typical applications include:

- Mass Transit Operations and Public Venues
- Military Field Operations
- Environments Exposed to Rain and Humidity Hazards
- Outdoor Commercial Venues
- Outdoor Entertainment
- Outdoor Digital Signage
- Manufacturing Facilities
- Any environment saddled with smoke, dirt, dust or other airborne contaminants

XTP series displays deliver these unique benefits:

- Fully sealed projection systems equipped with a closed loop heat exchanger. Ensures efficient cooling while isolating all components from external pollutants, dust and moisture.
- All-aluminium construction, with a sealed, toughened and optically coated output window, protecting the projection lens.
- Proven air-to-air, turbo-intercooler technology with no filters to replace and no fluid-based coolants to maintain.
- Standard optics provide high MTF and horizontal and vertical lens shift. Optional Extended Offset lenses provide increased projector placement flexibility.
- Easy to replace, high efficiency, low wattage lamp system.
- Remote performance monitoring. (camera optional)

Given their rugged construction and environmental-proof design, XTP displays are the only solutions designed to operate in harsh environments previously incapable of hosting projection systems.

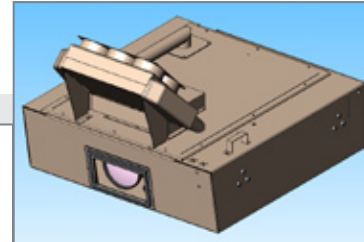
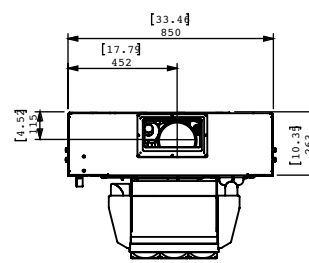
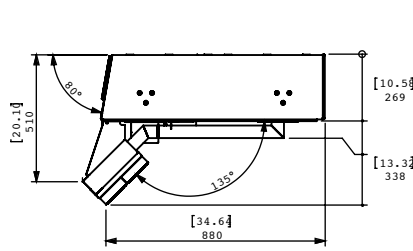
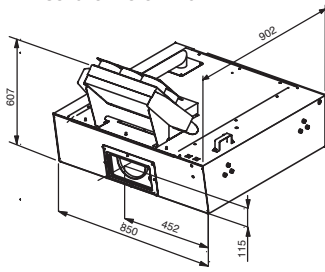
DP's XTP series: rugged, dust-proof, moisture proof and reliable. If you have an environmentally challenging venue, you need XTP series displays. Exclusively from the application innovators at Digital Projection.

INPUT CAPABILITIES

Type	Connector	Quantity
Composite	BNC	1
S-Video	4-pin mini DIN	1
Component Interlaced/Std def Y, Cr/Pr, Cb/Pb, S	BNCx4	1
Graphics Progressive RGB/Progressive Interlaced Hi def Y, Cr/Pr, Cb/PB	BNCx5	1
RGBHV (Progressive)	D sub (15-pin)	1
Digital RGB	DVI	1

XTP SERIES

CAD DRAWINGS ARE REPRESENTATIONS ONLY AND SUBJECT TO CHANGE



Projector Dimensions

XTP Series
 Projector dimensions (in)
 L1 31.5 W1 21.6 H1 18.9
 Projector dimensions (mm)
 L1 800 W1 550 H1 480

ADVANCED TECHNICAL SPECIFICATIONS

PARAMETERS	
Native Color Temperature	6500°K ±1000°K; white balance-adjustment: 3000°K to 10000°K 7500°K ±1000°K; white balance-adjustment: 3000°K to 10000°K User selectable Xenon-like colorimetry using dynamic optical and electronic enhancement.
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 100kHz / Vertical: 24Hz to 85Hz
Remote Control	Long Range Hand held IR with settable address and backlight. Hard Wired Connection also provided for RCU
Automation Control	LAN via RJ 45, Wireless 802.11b, RS-232 via serial port, full protocol feature set
Operating/Storage Temperature	Operating: 0 to 40°C / Storage: -10 to +55°C
Operating Humidity	5% to 90% (non-condensing)
Thermal Dissipation	2,000 BTU/hr
Fan Noise	46dBA
Power Requirements	600 Watts
Power Consumption	600 Watts

Projector
XTP HD-3000

Part #
TBA

Accessories
Single 300 Watt Lamp & Housing
Infrared Remote (Replacement)

Part #
TBA
TBA

Extended Offset Lenses

0.80:1 fixed
 1.32:1 fixed
 1.32:1 zoom
 1.64 - 2.21:1 zoom
 2.21 - 3.03:1 zoom
 3.03 - 4.93:1 zoom
 4.93 - 7.66:1 zoom

HB Part #
 105-607
 105-608
 105-609
 105-610
 105-611
 105-612
 105-613

Standard Lenses

0.64:1
 0.96:1
 1.2 - 1.44:1
 1.44 - 1.8:1
 1.8 - 2.4:1
 2.4 - 3.6:1
 3.6 - 5.6:1

HB Part

001-734
 001-735
 001-736
 001-737
 001-738
 001-739
 001-740

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.

