DIGITAL PROJECTION
Precision Displays for Every Venue

REFERENCE 1080p DISPLAYS TITAN

REFERENCE Displays

TITAN Reference 1080p

PERFORMANCE SPECIFICATIONS

Brightness (±10%)
4,000 - 6,000 ANSI Lumens
Integrator Adjustable

Contrast Ratio (±10%)
5000:1

Display Type
3 x .95" Dark Metal 1080p DMD™ with Fast Transit Pixels for smooth greyscale and improved contrast

DMD Specification
1920 x 1080 pixels native, 12˚ tilt angle

Fill Factor
87%

Sealed Optics at DMD™ Interface
Protects DMD's™ from optical contamination

Source Compatibility
- Composite, s-video, and color difference video standards
- RGB graphics standards up to 1920 x 1080
- DVI standards
- High definition RGB and color difference standards

Video Processing
- Enhanced 7 point color correction
- Xenon Color Mode - User selectable yellow notch filter and xenon-color mode processing, enable the projector to closely replicate xenon lamp spectral performance.
- 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, full protocol feature set

Lamp Type
Dual High Intensity Discharge modules (2 x 300W lamps)

Lamp Life (typical)[1]
2000 hours dual lamp mode,
4000 hours single lamp mode

Lens Mount
Zoom: Motorized horizontal and vertical lens shift, zoom and focus, **Fixed**: Manual Focus.

Lens Shift (maximum)
Zoom Lenses:
Vert: ±0.5 frame
Hor: ±0.25(L) 0.17(R) frame
0.73 Fixed lens:
Vert: ±0.11 frame; Hor: ±0.07 frame

Lens Options
0.67 :1 fixed
1.12 :1 fixed (1.2-2.0m throw)
1.12 :1 fixed (3-15m throw)
1.39-1.87 :1 zoom
1.87-2.56 :1 zoom
2.56-4.16 :1 zoom
4.16-6.96 :1 zoom
- 1.2:1 Lenses include manual aperture
- High-contrast lenses available for 0.67:1 and all zoom lenses

Mechanical Mounting
- Front or rear table; Front or rear ceiling (ceiling mount optional)
- Rugged, staging tolerant chassis with integrated handles
- Opt. rigging /stacking frame with - integrated pitch, roll and yaw adjustments

Weight (chassis only)
68 lbs (31kg)

Overview

Digital Projection International (DPI), Texas Instruments' first DLP™ partner and the original innovator of the 3-chip DLP™ projector, proudly introduces the newest and most cost effective entry in our line of home entertainment Reference Displays, the TITAN Reference 1080p.

Weighing in at just 68 lbs., the dual lamp TITAN Reference employs the latest in Texas Instruments' Dark Chip 1080p DLP™ technology to deliver up to 6000 ANSI lumens of razor sharp imagery through an amazingly rich contrast ratio of 5000:1. Equipped with DP's exceptional ColorMax™ and Xenon Color Mode calibration systems, this ultimate TITAN Display renders deeply saturated, color-accurate imagery which is simultaneously true to life and powerfully immersive. Compact, robustly built and ultra-quiet for its performance class, the TITAN Reference 1080p is an unmatched solution for extravagant home cinemas, family media rooms, entertaining and workout spaces, poolside video and even outdoor evening entertainment venues.

Other key benefits of the TITAN Reference 1080p include:
- ColorMax™ calibration capabilities including enhanced seven-point color correction for broader color space, accurate color alignment and higher color saturation.
- User selectable Xenon-color mode processing, which enables the projector to closely replicate the spectral performance of a Xenon lamp
- DP's NextGen electronics, 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
- Dual High Intensity Discharge (HID) lamps, which can be run individually or simultaneously, provide a typical life of 1500 hours per lamp. An auto lamp crossover circuit assures entertainment is never interrupted.
- A wide range of precision, high contrast optics. All zoom lenses include extensive horizontal and vertical lens shift, providing great flexibility to work around mechanical installation challenges
- DP's CoolTek™ engineering, which delivers the highest lumen performance with the lowest power consumption, thermal output (BTU) and noise level output (dB).

The TITAN Reference 1080p – a precisely engineered, efficiently designed, state-of-the-art imaging tool - bringing the precision of Digital Projection - to your magnificent home venues.

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 (HDCP Compliant)	DVI	1

Specifications subject to change without notice DP V1.0 09/07 ©2007 Digital Projection, Inc.
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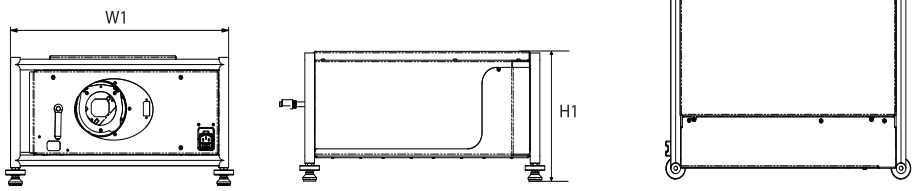
TITAN Reference 1080p



Projector Dimensions

Projector dimensions (in)
L1 26 W1 21.5 H1 10

Projector dimensions (mm)
L1 661.23 W1 547 H1 253.5

TITAN Reference 1080p Side Panel

ADVANCED TECHNICAL SPECIFICATIONS

PARAMETERS	REFERENCE 1080p DISPLAYS TITAN
Native Color Temperature	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	Addressable IR remote control, wireless and wired with loop-through / On board invertable keypad
Automation Control	LAN connection via RJ45 / RS232 9-pin D type
Operating/Storage Temperature	Operating: 0 to 40°C / Storage: -10 to 50°C
Operating Humidity	20 to 80% non-condensing
Thermal Dissipation	2,900 BTU/hr
Fan Noise	Less than 42dBA
Power Requirements	100-240 VAC ±10%, 50/60Hz single phase
Power Consumption	850 watts maximum

Projectors	**Part #**
TITAN Reference 1080p	107-973

Lenses	**Part #**
0.67:1	107-195
1.12:1	105-608
1.12:1 (short)	105-609
1.39 - 1.87:1	107-196
1.87 - 2.56:1	107-197
2.56 - 4.16:1	107-198
4.16 - 6.96:1	107-199

Accessories	**Part #**
300 Watt Lamp & Housing* (2 required)	107-694
300 Watt Lamp & Housing* (2-pack)	107-695
TITAN Adjustable Ceiling Mount	105-021
Infrared Remote (Replacement)	105-023

* Includes high-performance replacement air filter

TheaterScope Compatible

ColorMAX™ CoolTek ENGINEERING PICTURE BY DLP TEXAS INSTRUMENTS

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.

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