

# TITAN Pro Series

TITAN 1080p-250



## PERFORMANCE SPECIFICATIONS

### Brightness ( $\pm 10\%$ )

2000 ANSI Lumens

### Contrast Ratio ( $\pm 10\%$ )

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
- High definition / standard definition serial digital formats (SD/HD-SDI)

### Video Processing

- ColorMax calibration technology - including Enhanced 7 point color correction
- Xenon Color Mode - User selectable 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

High Intensity Discharge (HID) module

### Lamp Life (typical)\*

1500 hours

### Lens Mount

**Zoom:** Motorized horizontal and vertical lens shift, zoom and focus  
**Fixed:** Manual focus

### Lens Shift (maximum)

#### Fixed 1.12 and Zoom Lenses:

Vert: +0.7, -0.5 frame

Hor:  $\pm 0.1875$  frame

#### 0.67 Fixed lens:

Vert:  $\pm 0.1$  frame; Hor:  $\pm 0.1$  frame

### Lens Options

0.67	:1 fixed
1.12	:1 fixed (1.2 - 2.0m throw)
1.12	:1 fixed (3.0-15.0m throw)
1.39-1.87	:1 zoom
1.87-2.56	:1 zoom
2.56-4.16	:1 zoom
4.16-6.46	:1 zoom

### Mechanical Mounting

Front or rear table  
Front or rear ceiling (ceiling mount optional)  
Integrated Handles

### Weight (chassis only)

59.5 lbs (27 kg)

## Overview

Digital Projection International (DPI), Texas Instruments' first DLP™ partner and the original innovator of the 3-chip DLP™ projector, proudly introduces our newest native 1080p Home Cinema display, the TITAN 1080p-250.

Weighing in at just 59.5 lbs. (27 kg.), the 3-chip DLP™ TITAN 1080p-250 employs the latest in DPI's illumination, optics and electronics technology. Delivering up to 2,000 ANSI lumens and a stunning 5000:1 contrast ratio, the TITAN 1080p-250 is perfect for home cinemas with screens up to 18' wide. Dark Chip technology by Texas Instruments assures the broad gamut of deeply saturated colors that only a 3-chip DLP display can produce.

Other key benefits of the TITAN 1080p-250 include:

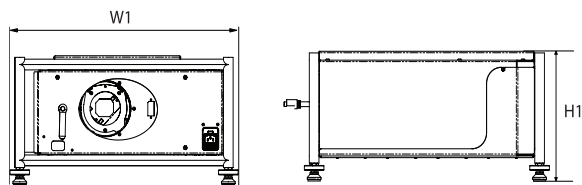
- ColorMax calibration technology - including Seven Point Colorimetry - providing expanded color gamut and precise color alignment for the advanced installer
- User selectable Xenon color mode - enables the projector to closely replicate the spectral performance of a Xenon lamp
- Wide range of lenses, with manual aperture to optimize projector contrast / lumens for the venue. All zoom lenses include extensive horizontal and vertical lens shift capability
- Ultra quiet - less than 35dBA - audibly invisible in most entertainment venues
- Sealed optics - protects the DMD's and other focal plane components from airborne contaminants
- Class leading, next generation electronics, with seven user-selectable inputs, including HDCP compliant DVI and SD/HD-SDI
- Single High Intensity Discharge (HID) lamp with a typical life of 1500 hours and low cost of replacement

With its native 1080p resolution, extensive source compatibility and the proven reliability of DLP technology, the TITAN 1080p-250 is an unmatched imaging tool for creating absolute jaw-dropping home cinema and media experiences.

The TITAN 1080p-250, a highly engineered and precisely crafted 3-chip DLP display - bringing the exclusive beauty of Digital Projection - to the most inspired home venues.

## INPUT / OUTPUT CAPABILITIES

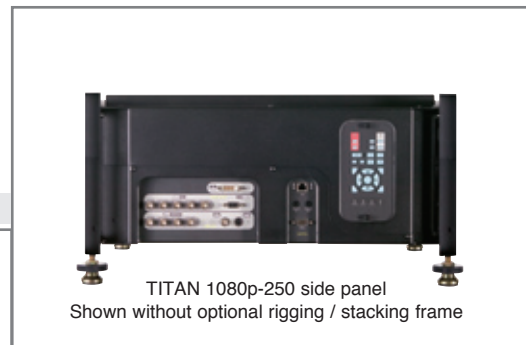
Type	Connector	Quantity
Composite	BNC	1
S-Video	4-pin mini DIN	1
Component Interlaced/Std def Y, Cr/Pr, Cb/Pb, S	BNCx4	1
Graphics Progressive RGB/Progressive Interlaced Hi def Y, Cr/Pr, Cb/PB	BNCx5	1
RGBHV (Progressive)	D sub (15-pin)	1
Digital RGB	DVI	1
Serial Digital SD/HD-SDI (SMPTE 259M/292M)	BNC	1



Projector Dimensions


Projector dimensions (in)  
L1 22.1 W1 20.7 H1 10

Projector dimensions (mm)  
L1 561 W1 525 H1 254



TITAN 1080p-250 side panel  
Shown without optional rigging / stacking frame

## ADVANCED TECHNICAL SPECIFICATIONS

PARAMETERS	
	
Native Color Temperature	6500°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	1733 BTU
Fan Noise	Less than 35 dBA
Power Requirements	100-240 VAC ±10%, 50/60Hz single phase
Power Consumption	500 Watts

### Projectors

TITAN 1080p-250

### Part #

108-641

### Accessories

Single 250 Watt Lamp & Housing\*  
RapidRig™ Frame  
TITAN Adjustable Ceiling Mount  
Infrared Remote (Replacement)

\* Includes high-performance replacement air filter

### Part #

106-246  
107-956  
102-246  
105-023

### Lenses

0.67:1 fixed  
1.12:1 fixed  
1.12:1 fixed short  
1.16 - 1.49  
1.39 - 1.87:1  
1.87 - 2.56:1  
2.56 - 4.16:1  
4.16 - 6.96:1  
6.92 - 10.36:1

### Part#

107-195  
105-608  
105-609  
109-236  
107-196  
107-197  
107-198  
107-199  
109-235

<sup>1</sup> 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.

