

# TITAN Pro Series II

TITAN 1080p-500 • TITAN 1080p-600



## PERFORMANCE SPECIFICATIONS

### Brightness (±10%)

1080p-500: 5,500 ANSI Lumens  
1080p-600: 10,000 ANSI Lumens

**Contrast Ratio (±10%)**  
2000:1

### 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

1080p-500: Twin High Intensity Discharge module (2 x 250W lamps)  
1080p-600: Dual High Intensity Discharge modules (2 x 300W lamps)

### Lamp Life (typical)<sup>1</sup>

1080p-500: 1500 hours dual lamp mode, 3000 hours single lamp mode  
1080p-600: 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
- 4.05-6.46 :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)

1080p-500: 59.5 lbs (27 kg)  
1080p-600: 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 of our compact 1080p Pro Series II Displays, the TITAN Pro 1080p-500 and 1080p 600.

Weighing in at just 59.5 and 68 lbs., the twin-lamp TITAN 1080p-500 and dual lamp 1080p 600 employ the latest in Texas Instruments' 1080p dark metal, 3-chip DLP™ technology to deliver up to 10000 lumens and 2000:1 contrast. Compact, robustly built and ultra-quiet for their performance class, TITANs are unmatched solutions for staging, command and control, visualization, business, and educational venues. For staging, the TITAN can be ordered with DP's RapidRig flying and stacking frame, which provides integrated pitch, roll and yaw adjustments, simplifying installation and alignment accuracy.

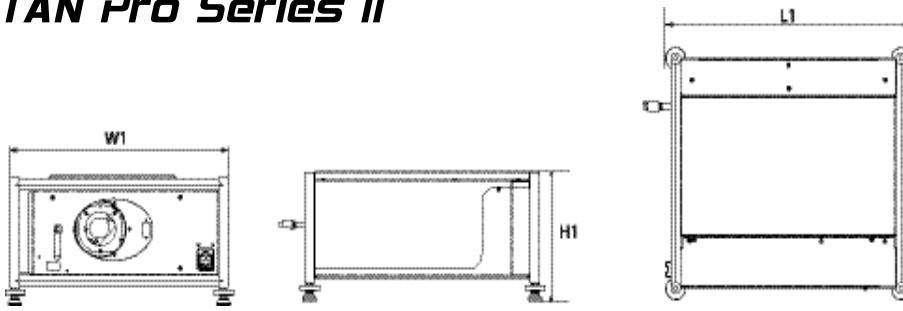
Other key benefits of the TITAN 1080p-500 and 1080p 600 include:

- DP's NextGen electronics, featuring class leading de-interlacing with SD and HD sources processed using auto 3:2 and 2:2 extraction
- Minimal video delay from input to screen - as low as 1 frame, depending on source
- Sealed optics to protect DMD's and other focal plane components from airborne contaminants
- Six user-selectable inputs, including HDCP compliant DVI
- ColorMax calibration capabilities including enhanced seven-point color correction for broader color space and accurate color alignment
- User selectable Xenon-color mode processing, which enables the projector to closely replicate the spectral performance of a Xenon lamp
- Twin (1080p-500) or Dual (1080p-600) high intensity discharge lamps, which can be run individually or simultaneously, with a typical life of 1500 hours per lamp
- A range of precision optics with extended lens shift, compatible with all TITAN and LIGHTNING sx+ and 1080p models
- DP's CoolTek engineering, which delivers the highest lumen performance with the lowest thermal (BTU) and noise level (dB) output.

The TITAN 1080p-500 and 1080p-600, Pro Series II display priced and sized for every venue and everyday use - bringing the precision of Digital Projection to your venue.

## 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



### Projector Dimensions

500 Series		600 Series	
Projector dimensions (in)		Projector dimensions (in)	
L1 22.1	W1 20.7 H1 10	L1 26	W1 21.5 H1 10
Projector dimensions (mm)		Projector dimensions (mm)	
L1 560.5	W1 525 H1 253.5	L1 661.23	W1 547 H1 253.5



## ADVANCED TECHNICAL SPECIFICATIONS

PARAMETERS	TITAN 1080p-500	TITAN 1080p-600
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	2,600 BTU/hr	2,900 BTU/hr
Fan Noise	Less than 42dBA	
Power Requirements	100-240 VAC ±10%, 50/60Hz single phase	
Power Consumption	750 watts	850 watts maximum

### Projectors

TITAN 1080p-500  
TITAN 1080p-600

### Part #

106-241  
107-302

### Accessories

Twin 250 Watt Lamp & Housing  
300 Watt Lamp & Housing\* (2 required)  
300 Watt Lamp & Housing\* (twin pack)  
RapidRig™ Frame  
TITAN Adjustable Ceiling Mount  
Infrared Remote (Replacement)  
\* Includes high-performance replacement air filter

### Part #

001-742  
107-694  
107-695  
104-623  
105-021  
105-023

### Lenses

0.67:1  
1.12:1  
1.12:1 (short)  
1.39 - 1.87:1  
1.87 - 2.56:1  
2.56 - 4.16:1  
4.05 - 6.46:1

### HB Part #

105-607  
105-608  
105-609  
105-610  
105-611  
105-612  
105-613

### HC Part#

107-195  
105-608  
105-609  
107-196  
107-197  
107-198  
107-199



<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.