

TITAN Pro Series II

TITAN HD-250



PERFORMANCE SPECIFICATIONS

Brightness (±10%)

1,600 ANSI Lumens

Contrast Ratio (±10%)

4500:1

Display Type

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

DMD Specification

.8" 1280 x 720 pixels native

Sealed Optics at DMD™ Interface

Protects DMD's™ from optical contamination

Source Compatibility

- Composite, s-video, and color difference video standards up to 1080i
- RGB graphics standards up to 1920 x 1080
- DVI standards with HDCP compliance
- High definition RGB and color difference standards

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, full protocol feature set

Lamp Type

Single 250-Watt High Intensity Discharge module

Lamp Life (typical)¹

1500 hours

Lens Mount

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

Lens Shift (maximum)

Zoom Lenses:

Vert: +0.5, -0.16 frame

Hor: ±0.1 frame

Fixed lenses: On axis only

Lens Options

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

Mechanical Mounting

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

Weight

53 lbs (24 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 high performance, value-driven Home Cinema display, the TITAN HD-250.

Weighing in at just 53 lbs. (24 kg.), the 3-chip DLP™ TITAN HD-250 employs the latest in DPI's illumination, optics and electronics technology. Delivering 1,600 ANSI lumens and a stunning 4500:1 contrast ratio, the TITAN HD-250 is perfect for home cinemas with screens up to 15' wide.

Dark Chip technology, by Texas Instruments, assures the broad gamut of deeply saturated colors that only a 3-chip DLP display can produce. Equipped with Digital Projection's NextGen electronics, the TITAN HD-250 provides class-leading motion-adaptive interpolation as well as state-of-the-art video de-interlacing. SD and HD sources are processed using auto 3:2 and 2:2 extraction.

Other key benefits of the TITAN HD-250 include:

- A wide range of zoom lenses - all with extensive horizontal and vertical lens shift capability
- Ultra quiet - less than 30dBA - audibly invisible in most entertainment venues
- Sealed optics - protects the DMD's and other focal plane components from airborne contaminants
- DP's CoolTek engineering, for ultra quiet operation of less than 30dBA - audibly invisible in most entertainment venues
- DP's class leading, NextGen electronics with six user-selectable inputs, including HDCP compliant DVI
- High Intensity Discharge (HID) lamp with a typical life of 1500 hours and low cost of replacement

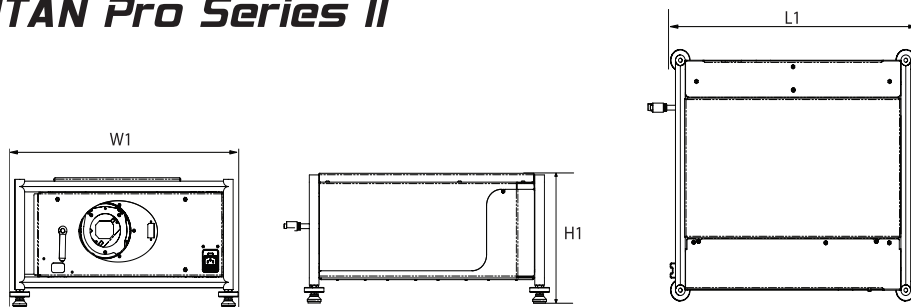
With its rugged construction, extensive source compatibility and the proven reliability of DLP technology, the TITAN HD-250 is an unmatched imaging tool for creating stellar home cinema entertainment and home media experiences.

The TITAN HD-250, a highly engineered and precisely crafted 3-chip DLP display - priced and sized to bring the beauty of Digital Projection to your home 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

TITAN Pro Series II



Projector Dimensions

Projector dimensions (in)
L1 22.1 W1 20.7 H1 10

Projector dimensions (mm)
L1 561 W1 525 H1 254

DIGITAL PROJECTION



TITAN HD-250 side panel

ADVANCED TECHNICAL SPECIFICATIONS

PARAMETERS	
Native Color Temperature	6500°K ±1000°K; white balance-adjustment: 3000°K to 10000°K
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	2600 BTU/hr
Fan Noise	Less than 30dBA
Power Requirements	100-240 VAC ±10%, 50/60Hz single phase
Power Consumption	750 Watts



Projectors
TITAN HD-250

Part #
106-240

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

Part #
001-742
107-956
102-246
105-023

HD 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

HC Part#

102-373
102-835
102-374
102-375
102-376
102-377
102-378

* Includes high-performance replacement air filter



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.