

TITAN Pro Series II

TITAN SX+ 330-L • TITAN SX+ 330-P • TITAN SX+ 700



PERFORMANCE SPECIFICATIONS

Brightness (±10%)

SX+ 330 L & P: 6,000 ANSI Lumens
SX+ 700: 11,000 ANSI Lumens

Mechanical Orientation

- "P" models support portrait and 360° of roll
- "L" models support 360° of pitch (lens up/down)

Contrast Ratio (±10%)

2000:1

Display Type

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

DMD Specification

1400 x 1050 pixels native, 12° tilt angle

Fill Factor

90%

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
- High definition RGB and color difference standards
- High definition / standard definition serial digital formats (SD/HD-SDI)

Video Processing

- 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

SX+ 330 L & P: Single High Intensity Discharge module (330W lamps)
SX+ 700: Dual HID modules (2 x 350W)

Lamp Life (typical)¹

SX+ 330 L & P: 2000 hours
SX+ 700: 2000 hours / 4000 hours

Lens Mount

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

Lens Shift (maximum)

Zoom Lenses & 1.2:1 Fixed:
Vert: +0.5, -0.4 frame
Hor: ±0.2 frame
0.73 Fixed lens:
Vert: ±0.11 frame; Hor: ±0.07 frame

Lens Options

- 0.73 :1 fixed
- 1.2 :1 fixed (1.2-2.0m throw)
- 1.2 :1 fixed (3-15m throw)
- 1.26-1.61 :1 zoom
- 1.5-2.02 :1 zoom
- 2.02-2.77 :1 zoom
- 2.77-4.51 :1 zoom
- 4.51-7.53 :1 zoom
- 1.2:1 Lenses include manual aperture
- High-contrast lenses available for 0.73:1 and all zoom lenses

Mechanical Mounting

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

Weight (chassis only)

SX+ 330: 68 lbs (31kg)
SX+ 700: 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 smallest of our Pro Series II displays, the TITAN sx+ 330-L, sx+ 330-P and sx+ 700.

Weighing in at just 68 lbs., the twin-lamp TITAN sx+ 330 and dual lamp sx+ 700 employ the latest in Texas Instruments' SXGA+ dark chip, 3-chip DLP™ technology to deliver up to 11,000 ANSI lumens and 2000:1 contrast. Compact, robustly built and ultra-quiet for their performance class, the 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 sx+ series include:

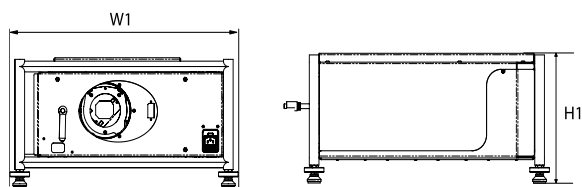
- DP's NextGen electronics, featuring class leading de-interlacing with SD and HD sources processed using auto 3:2 and 2:2 extraction
- Minimal video delay from input to screen - as low as 1 frame, depending on source
- Sealed optics to protect DMD's and other focal plane components from airborne contaminants
- Seven user-selectable inputs, including HDCP compliant DVI and SD/HD-SDI
- 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 (sx+ 500) or Dual (sx+ 600M and sx+ 700) high intensity discharge lamps, which can be run individually or simultaneously, with a typical life of up to 2000 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.
- Intelligent Lens Mount (ILM) - provides the ability for the user to program up to 10 distinct presets for lens zoom, focus and shift. The ILM presets can be assigned and automatically recalled, by source and input.

The TITAN sx+ 330 and sx+ 700 Pro-series II displays are 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
Serial Digital SD/HD-SDI (SMPTE 259M/292M)	BNC	1

TITAN Pro Series II



Projector Dimensions

330-L, 330-P, 700 Series

Projector dimensions (in)

L1 25.4 W1 21.4 H1 10

Projector dimensions (mm)

L1 645.4 W1 543.5 H1 253.5

DIGITAL PROJECTION



TITAN SX+ 700 side panel



shown with optional rigging frame

ADVANCED TECHNICAL SPECIFICATIONS

PARAMETERS	TITAN SX+ 330-L	TITAN SX+ 330-P	TITAN SX+ 700
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	1,981 BTU/hr		3,244 BTU/hr
Fan Noise	Less than 42dBA {400}		Less than 45dBA {500}
Power Requirements	100-240 VAC ±10%, 50/60Hz single phase		
Power Consumption	580 watts maximum		950 watts maximum

Projectors

TITAN SX+ 330-L

TITAN SX+ 330-P

TITAN SX+ 700

Part

111-232

111-230

108-770

Accessories

330 Watt Lamp & Housing* (2 required - 600M Series)

350 Watt Lamp & Housing* (2 required - 700 Series)

RapidRig™ Frame

TITAN 500 Series Adjustable Ceiling Mount

TITAN 700 Series Adjustable Ceiling Mount

Infrared Remote (Replacement)

* Includes high-performance replacement air filter

Part

109-319

108-772

107-956

105-021

108-499

105-023

Lenses

0.73:1

1.2:1

1.2:1 (short)

1.5 - 2.02:1

2.02 - 2.77:1

2.77 - 4.51:1

4.51 - 7.53:1

HB Part

105-607

105-608

105-609

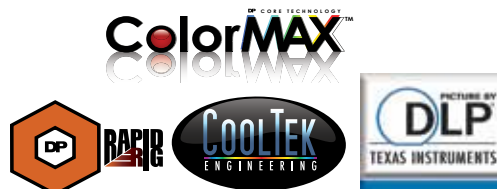
105-610

105-611

105-612

105-613

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.



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