



PERFORMANCE SPECIFICATIONS

Brightness (±10%)
6000 Center Lumens
5500 ANSI Lumens

Contrast Ratio (±10%)
>1600:1

Display Type
3 x .95" Dark Metal 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
- 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 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
Twin High Intensity Discharge module
with 2 x 250W lamps

Lamp Life (typical)¹
1500 hours in dual lamp mode,
3000 hours in single lamp mode

Lens Mount
Motorized horizontal and vertical lens
shift, zoom and focus

Lens Shift (maximum)
Lenses:
Vert: ±0.5 frame; Hor: ±0.32 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)
1.5-2.02	:1 zoom
2.02-2.77	:1 zoom
2.77-4.51	:1 zoom
4.51-7.0	:1 zoom

• Lenses include manual aperture

Mechanical Mounting
Front or rear table
Front or rear ceiling (ceiling mount
optional)
Rugged, staging tolerant chassis
Integrated Handles
Optional rigging / stacking frame with
integrated pitch, roll and yaw
adjustments

Dimensions (including feet)
24.25in(L) x 20.7in(W) x 10.7in(H)
616mm(L) x 525mm(W) x 271mm(H)

Weight (chassis only)
59.5 lbs (27 kg)

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 Professional Series displays, the TITAN sx⁺ 500.

Weighing in at just 59.5 lbs. (27 kg.), the twin-lamp TITAN sx⁺ 500 employs the latest in Texas Instruments' SXGA+ dark metal, 3-chip DLP™ technology to deliver 6000 lumens and 1600:1 contrast. Compact, robustly built and ultra-quiet for its performance class, the TITAN is an unmatched solution for command and control, visualization, business, and educational venues. For staging, the TITAN can be ordered with DPI's signature Pro Series rigging and stacking frame, which provides integrated pitch, roll and yaw adjustments, simplifying installation time and accuracy.

Other key benefits of the TITAN sx⁺ 500 include:

- 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 HD/SD-SDI
- 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 high intensity discharge lamps, which can be run individually or simultaneously, with typical life of 1500 hours per lamp

The TITAN sx⁺ 500, DPI's first Pro Series display priced and sized for every venue and everyday use - bringing the precision of Digital Projection to your venue.

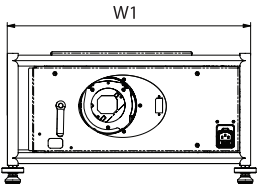
INPUT CAPABILITIES

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
Serial Digital SD/HD SDI (SMPTE 259M/292M)	BNC	1

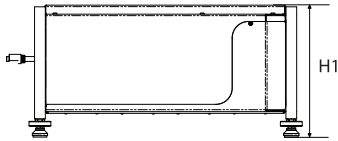
▶ TITAN photo above shown without optional rigging / stacking frame

▶ Specifications subject to change without notice DP V1.06/06 ©2006 Digital Projection, Inc.

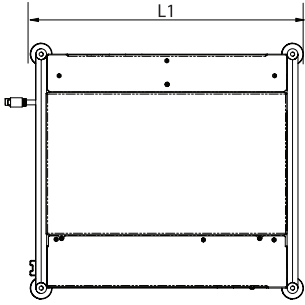
™DLP, Digital Light Processing and DMD are trademarks of Texas Instruments, Inc.



Projector dimensions (in)
W1 20.7 H1 10.7 L1 24.25



Projector dimensions (mm)
W1 525 H1 271 L1 616



TITAN sx+ 500 side panel
Shown without optional rigging / stacking frame

ADVANCED TECHNICAL SPECIFICATIONS

PARAMETER	
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 (ASCII Protocol) / RS232 9-pin D type (Hex Protocol)
Operating/Storage Temperature	Operating: 0 to 40°C / Storage: -10 to 50°C
Operating Humidity	20 to 80% non-condensing
Thermal Dissipation	2600 BTU
Fan Noise	Less than 42dBA
Power Requirements	100-240 VAC ±10%, 50/60Hz single phase
Power Consumption	750 Watts

PROJECTOR	PART NO.	LENSES	PART NO.	ACCESSORIES	PART NO.
TITAN sx+ 500	104-850	0.73 :1 fixed	105-607	Twin Replacement lamp	001-742
		1.2 :1 fixed	105-609 1.2-2m throw	Rigging Frame	104-923
		1.2 :1 fixed	105-608 3-15m throw	Ceiling mount	105-021
		1.5-2.02 :1 zoom	105-610	Infrared remote (replacement)	105-023
		2.02-2.77 :1 zoom	105-611		
		2.77-4.51 :1 zoom	105-612		
		4.51-7.0 :1 zoom	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.