

Titan Laser 37000 WU

37,000 ISO / 33,000 ANSI Lumens | Contrast Ratio: 18,000:1 (Dynamic Black) / 2,000:1 Native | Part No:119-704

TITAN LASER SERIES DIGITAL PROJECTORS



THE VISIONARIES CHOICE

Colour System:	DMD Specification:
Laser Phosphor	Display capability upto WUXGA 2.3 megapixels pixels on screen at WUXGA
Display Type:	Fast transit pixels for smooth greyscale and improved contrast.
3 x 0.96" WUXGA DMD™	Display resolutions WUXGA (1920 x 1200)
	Aspect Ratio: 16x10
	Fill Factor 87%

Key Features

Video & Graphics Processing

- DisplayPort 1.2
- 2 x HDMI 2.0b HDCP 2.2
- HDR processing
- 2 x HDMI 1.4b HDCP 1.4 for Dual Pipe processing and Frame Sequential 3D Format.
- Sequential Processing: 3D via single HDMI 1.4b input
- Dual Pipe Processing: 3D Left and Right eyes via two HDMI 1.4b inputs.
- Synchronisation of active glasses.
- 3G-SDI with loop-through.
- DICOM simulation mode.
- DMX Art-Net

General Features

- Constant Brightness control
- Multi-Projector Brightness control
- Compatible with selected competitor lenses via lens converter
- Selectable EDID
- Custom Start-up Logo

Geometry Correction

- 4-Cornerstone, Vertical & Horizontal Keystone, Pincushion & Barrel, Arc and Image Rotation
- Non-linear warp

- Digital Zoom, Pan and Scan
- Blanking control for custom input window sizing.
- Scaling available for fixed aspect ratio screens.
- Unscaled processing for pixel mapped display

Edge Blending

- Blending control available for all sides with width control.
- Correction for non-active pixels at the edge of the display.
- Electronic Black Level Compensation.

Picture in Picture

- Two sources can be displayed simultaneously using 2D inputs. either picture in picture (PIP) , or side by side (PBP), with the original aspect ratios maintained.

HDBaseT® Interface

- Built in support for reception of uncompressed High Definition Video over standard CAT5e/6 LAN cable
- Allows projector to be placed up to 100m from source with low cost cabling
- Supports up to 4K UHD 3840 x 2160@60Hz 4:2:0 or 4K UHD 3840 x 2160@30Hz 4:2:2

Colour Processing

- Four colour modes available
- Powerful seven point colour correction for accurate colour matching with presets.
- Easy colour temperature selection
- Manual seven point colour adjustment
- Traditional lifts and gains

Projector Controller Software

- Intuitive user interface for network control
- Simultaneous control of user-defined groups of projectors
- At-a-glance monitoring of projector status

Projector Automation

- Real-time clock provides daily on/off automation
- E-mail alerts for system status

Source Compatibility:

2D Graphics standards up to 4K-UHD 3840x2160 resolution at 60Hz via HDMI 2.0, HDBaseT (4:2:0), DisplayPort inputs

3D Graphics standards up to dual-pipe WUXGA 120Hz via HDMI 1.4b inputs

3G-SDI is SMPTE 292M, SMPTE 259M-C and SMPTE 424M compliant.

Inputs/Outputs

Video & Computer			Communication & Control		
Type	Connector	Qty	Type	Connector	Qty
DisplayPort 1.2 (2D)	DisplayPort	1	3D Sync In	BNC	1
HDMI 1.4b (3D)	HDMI	2	3D Sync Out	BNC	1
HDMI 2.0b (2D)	HDMI	2	LAN	RJ45	2
3G-SDI in (2D)	BNC	1	RS-232	9-pin D-Sub	1
3G-SDI out	BNC	1	Wired Remote	3.5mm Stereo Jack	1
HDBaseT/LAN (2D)	RJ45	1	12V Trigger	3.5mm Stereo Jack	2
			3D Sync IR Out	BNC	1

3D Formats Supported		HDTV Formats Supported	
Sequential / 1080p @ 100Hz Sequential / 1080p @ 120Hz Sequential / WUXGA @ 100Hz (RB) Dual -Pipe / 1080p @ 50Hz Dual -Pipe / 1080p @ 60Hz Dual -Pipe / WUXGA @ 50Hz (RB) Dual -Pipe / WUXGA @ 60Hz		1080p (24Hz, 25Hz, 30Hz, 50Hz, 60Hz) 1080i (50Hz, 60Hz) 720p (50Hz, 60Hz) 2K (24Hz, 25Hz, 30Hz, 50Hz, 60Hz) 4K-UHD (24Hz, 25Hz, 30Hz, 50Hz, 60Hz)	
Computer Compatibility		Bandwidth	
2D 4K-UHD upto 60Hz 3D Supported Formats will be displayed upto WUXGA		498 Mpixels/sec via DisplayPort and HDMI2.0.	
Remote Control		Automation Control	
Addressable IR remote Control, Wireless and wired. On-Board keypad		Crestron RoomView Connected LAN RS-232 AMX (Device Discovery) DMX Art-Net Served web pages (Projector status, Projector control, Crestron RoomView, Network settings, Alert mail setup, Time setup, Error log, On screen Display)	
Colour Temperature		Operation	
3200K to 9300K		24x7 Operation	
Lamp Type		Typical Lamp Life	
Laser Light Source		20,000 hours	
Lenses			
Lens	Part No.	Optimised Focus	Lens Shift
0.37:1 (Right Angled)	120-510	1.6m - 4.9m	Vert: 0.6 (U) 0.6 (D) frame, Hor: 0.3 (L) 0.3 (R) frame
0.65 - 0.85:1 (Right Angled)	120-511	2.8m - 8.4m	Vert: 0.5 (U) 0.5 (D) frame, Hor: 0.2 (L) 0.2 (R) frame
0.8-1 - 16:1 (Includes support bracket)	120-827	1.7m - 11m	Vert: 0.4 (U) 0.4 (D) frame, Hor: 0.19 (L) 0.19 (R) frame
0.67:1 fixed HB	105-607	1.1m - 10m	Vert: 0.108 (U) 0.108 (D) frame, Hor: 0.044 (L) 0.044 (R) frame
1.12:1 fixed HB	105-608	3m - 15m	Vert: 0.567 (U) 0.45 (D) frame, Hor: 0.188 (L) 0.188 (R) frame
1.16 - 1.49:1 zoom HB	109-236	3m - 15m	Vert: 0.408 (U) 0.408 (D) frame, Hor: 0.188 (L) 0.188 (R) frame
1.39 - 1.87:1 zoom HB	105-610	4m - 24m	Vert: 0.567 (U) 0.45 (D) frame, Hor: 0.188 (L) 0.188 (R) frame
1.87 - 2.56:1 zoom HB	105-611	4m - 24m	Vert: 0.567 (U) 0.45 (D) frame, Hor: 0.188 (L) 0.188 (R) frame
2.56 - 4.16:1 zoom HB	105-612	9.1m - 45m	Vert: 0.567 (U) 0.45 (D) frame, Hor: 0.188 (L) 0.188 (R) frame
4.16 - 6.96:1 zoom HB	105-613	12m - 80m	Vert: 0.567 (U) 0.45 (D) frame, Hor: 0.188 (L) 0.188 (R) frame
6.92 - 10.36:1 zoom HB	109-235	12m - 80m	Vert: 0.567 (U) 0.45 (D) frame, Hor: 0.188 (L) 0.188 (R) frame
* Lens focal ranges above are the optimised distances but are likely to focus further, please contact your RSM for more details. Lens ratio tolerances: E-Vision Series: +/-3%. HighLite Series: +/- 5%. M-Vision Series: +/- 2%. Titan Series: +/- 2%, INSIGHT Series: +/-2%,			
Lens Mount			
Motorised Shift, Zoom and Focus.(Lenses 0.67:1 & 1.12:1 have manual focus, shift is motorised) Intelligent Lens Memory with 10 user-definable pre-set positions for zoom lenses.			
Mechanical Mounting		Orientation	
Front/Rear Table Front/Rear Ceiling Adjustable Front/Rear Feet		Table Top or Inverted: Yes Pointing Up: Yes Pointing Down: Yes Roll (Portrait): Yes	
Power Requirements		Power Consumption	
200VAC to 230VAC, 50/60Hz single phase		Typical: 3100W , Maximum 3400 W	
Thermal Dissipation		Fan Noise	
Max 11430 BTU/Hour @ 200VAC BTU/Hour		Normal Mode: 50dBA, Max 52dBA Eco Typ: 47dBA	
Operating/Storage Temperature		Operating Humidity	
Operating: Full Power 0°C ~ 35°C (32°F ~95°F), ECO upto 40°C (104°F) Storage: -20°C ~ 60°C (-4°F ~ 140°F)		Operating: 10% ~ 90% non-condensing Storage: 10% ~ 90% non-condensing	
Weight (Chassis Only)		Dimensions	
95 kg 209 lb		L: 969.3mm, W: 650mm, H: 397.3mm (Excl handles) L: 38.2in, W: 25.6in, H: 15.6in (Excl handles)	

Safety & EMC Regulations

UL, CB, CCC, KC, RoHS (CN), FCC Class A, FDA, CE, IEC EN 60825-1 Class 3R Laser Product, IEC EN 62471-5 Risk Group 3, WEEE (UK)

Accessories

Accessory	Part No.
Infrared Remote Control (Replacement)	118-678
Optional lens mount insert for selected competitor lenses	119-729

**Dimensions included for reference only and are subject to change. Please download the full set of CAD files for this display for more accurate information.*

Downloads

[PDF CAD Drawings](#)

[User Guides](#)

[AUTOCAD Drawings](#)

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[Important Information](#)



Certificate Number 13629
ISO 9001

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DIGITAL PROJECTION, LTD GREENSIDE WAY, MIDDLETON MANCHESTER, UK. M24 1XX
T: +44.161.947.3300 | F: +44.161.684.7674 | www.digitalprojection.co.uk

DIGITAL PROJECTION, INC 55 CHASTAIN ROAD, SUITE 115 KENNESAW, GA. 30144
T: 770.420.1350 | F: 770.420.1360 | www.digitalprojection.com

DIGITAL PROJECTION, CHINA Rm A2006, ShaoYaoJu 101 North lane, Shi AO International Center, Chao Yang District, Beijing, 100029, PR CHINA
T: +86.10.58239771 | F: +86 10 58239770

DIGITAL PROJECTION, ASIA 16 NEW INDUSTRIAL ROAD, #02-10 HUDSON TECHNOCENTRE SINGAPORE 536204
T: +65.6284.1138 | F: +65.6284.1238