

Titan Laser 29000 WU

29,000 ISO / 26,000 ANSI Lumens | Contrast Ratio: 18,000:1 (Dynamic Black) / 2,000:1 Native | Part Number: 119-837

TITAN LASER SERIES DIGITAL PROJECTORS



THE VISIONARIES CHOICE

29,000 ISO / 26,000 ANSI Lumens | Contrast Ratio: 18,000:1 (Dynamic Black) / 2,000:1 Native | Part Number: 119-837

Colour System:

Laser Phosphor

DMD Specification:

Display capability upto WUXGA

2.3 megapixels pixels on screen at WUXGA

Fast transit pixels for smooth greyscale and improved contrast.

Display resolutions WUXGA (1920 x 1200)

Aspect Ratio:

16x10

Fill Factor

87%

Display Type:

3 x 0.96" WUXGA DMD™

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 HDMI1.4b 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 | | | 1080p (24Hz, 25Hz, 30Hz, 50Hz, 60Hz) | | |
| Sequential / 1080p @120Hz | | | 1080i (50Hz, 60Hz) | | |
| Sequential / WUXGA @100Hz (RB) | | | 720p (50Hz, 60Hz) | | |
| Dual -Pipe / 1080p @ 50Hz | | | 2K (24Hz, 25Hz, 30Hz, 50Hz, 60Hz) | | |
| Dual -Pipe / 1080p @ 60Hz | | | 4K-UHD (24Hz, 25Hz, 30Hz, 50Hz, 60Hz) | | |
| Dual -Pipe / WUXGA @ 50Hz (RB) | | | | | |
| Dual -Pipe / WUXGA @ 60Hz | | | | | |
| Computer Compatibility | | | Bandwidth | | |
| 2D 4K-UHD upto 60Hz | | | 498 Mpixels/sec via DisplayPort and HDMI2.0. | | |
| 3D Supported Formats will be displayed upto WUXGA | | | | | |
| 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 | | |  | | |
| Illumination Type | | | Typical illumination Life | | |

Lenses

| Lens | Part No. | Optimised Focus Range* | 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 (short) 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

Front/Rear Table
Front/Rear Ceiling
Adjustable Front/Rear Feet

Orientation

Table Top or Inverted: Yes
Pointing Up: Yes
Pointing Down: Yes
Roll (Portrait): Yes

Power Requirements

200VAC to 230 VAC, 50/60Hz single phase

Power Consumption

Typical 2800W, Max 3100W

Thermal Dissipation

Max 10284 BTU/Hour @ 200VAC

Fan Noise

Typical: 50dBa , Maximum 52dBa, Eco Typical 47dBa

Operating/Storage Temperature

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 Humidity

Operating: 10% ~ 90% non-condensing Storage: 10% ~ 90% non-condensing

Weight (Chassis Only)

95 kg
209 lb

Dimensions

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](#)

[User Guides \(German\)](#)

[STEP / IGS Drawings](#)

[User Guides \(French\)](#)

[Rigging Frame CAD Drawings Rigging Frame CAD Drawings](#)

[Laser Risk Group Document](#)

[Lens CAD Drawings](#)

[Important Information](#)

[Control Protocol](#)



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ISO 9001

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