Titan Laser 26000 4K-UHD

25,000 ISO / 22,500 ANSI @ 4K-UHD, 28,000 ISO / 25,000 ANSI @ WUXGA Lumens | Contrast Ratio: 18,000:1 (Dynamic Black) / 2,000:1 Native | Part No:119-838

TITAN LASER SERIES
DIGITAL PROJECTORS

THE VISIONARIES CHOICE

Colour System:
Laser Phosphor

DMD Specification:
Display capability upto 4K-UHD
8.3 megapixels pixels on screen at 4K-UHD

Display Type:
3 x 0.96" WUXGA DMD™

Fast transit pixels for smooth greyscale and improved contrast.
Display resolutions 4K-UHD (3840 x 2160)

Aspect Ratio:
16x9
Fill Factor
N/A as Smooth Picture 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.

**WUXGA mode**

2D sources up to WUXGA 120Hz and 4K-UHD 60Hz can be displayed scaled to fit WUXGA
3D sources up to WUXGA 120Hz can be displayed scaled to fit WUXGA

**4K-UHD mode**

2D sources up to 4K-UHD will be displayed scaled to fit 4K-UHD

**Auto Mode**

Sources greater than WUXGA will be displayed scaled to fit 4K-UHD
Sources up to WUXGA will be displayed scaled to fit WUXGA
### Inputs/Outputs

<table>
<thead>
<tr>
<th><strong>Video &amp; Computer</strong></th>
<th><strong>Communication &amp; Control</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td><strong>Connector</strong></td>
</tr>
<tr>
<td>DisplayPort 1.2 (2D)</td>
<td>DisplayPort</td>
</tr>
<tr>
<td>HDMI 1.4b (3D)</td>
<td>HDMI</td>
</tr>
<tr>
<td>HDMI 2.0b (2D)</td>
<td>HDMI</td>
</tr>
<tr>
<td>3G-SDI in (2D)</td>
<td>BNC</td>
</tr>
<tr>
<td>3G-SDI out</td>
<td>BNC</td>
</tr>
<tr>
<td>HDBaseT/LAN (2D)</td>
<td>RJ45</td>
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</tbody>
</table>

### 3D 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

### HDTV Formats Supported

- 1080p (24Hz, 25Hz, 30Hz, 50Hz, 60Hz)
- 720p (24Hz, 25Hz, 30Hz, 50Hz, 60Hz)
- 2K (24Hz, 25Hz, 30Hz, 50Hz, 60Hz)
- 4K-UHD (24Hz, 25Hz, 30Hz, 50Hz, 60Hz)

### 3D 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

### Remote 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

3200K to 9300K

### Lamp Type

- Laser Light Source
- Typical Lamp Life: 20,000 hours

### Lenses

<table>
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<tr>
<th>Lens</th>
<th>Part No.</th>
<th>Optimised Focus</th>
<th>Lens Shift</th>
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</thead>
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<tr>
<td>0.37:1 (Right Angled)</td>
<td>120-510</td>
<td>1.6m - 4.9m</td>
<td>Vert: 0.6 (U) 0.6 (D) frame, Hor: 0.3 (L) 0.3 (R) frame</td>
</tr>
<tr>
<td>0.65-0.85:1 (Right Angled)</td>
<td>120-511</td>
<td>2.8m - 8.4m</td>
<td>Vert: 0.5 (U) 0.5 (D) frame, Hor: 0.2 (L) 0.2 (R) frame</td>
</tr>
<tr>
<td>0.8-1.16:1 (Inc support bracket)</td>
<td>120-827</td>
<td>1.7m - 11m</td>
<td>Vert: 0.4 (U) 0.4 (D) frame, Hor: 0.19 (L) 0.19 (R) frame</td>
</tr>
<tr>
<td>1.16 - 1.49:1 zoom HB</td>
<td>109-236</td>
<td>3m - 15m</td>
<td>Vert: 0.44 (U) 0.44 (D) frame, Hor: 0.188 (L) 0.188 (R) frame</td>
</tr>
<tr>
<td>1.39 - 1.87:1 zoom HB</td>
<td>105-610</td>
<td>4m - 24m</td>
<td>Vert: 0.629 (U) 0.5 (D) frame, Hor: 0.188 (L) 0.188 (R) frame</td>
</tr>
<tr>
<td>1.87 - 2.56:1 zoom HB</td>
<td>105-611</td>
<td>4m - 24m</td>
<td>Vert: 0.629 (U) 0.5 (D) frame, Hor: 0.188 (L) 0.188 (R) frame</td>
</tr>
<tr>
<td>2.56 - 4.16:1 zoom HB</td>
<td>105-612</td>
<td>9.1m - 45m</td>
<td>Vert: 0.629 (U) 0.5 (D) frame, Hor: 0.188 (L) 0.188 (R) frame</td>
</tr>
<tr>
<td>4.16 - 6.96:1 zoom HB</td>
<td>105-613</td>
<td>12m - 80m</td>
<td>Vert: 0.629 (U) 0.5 (D) frame, Hor: 0.188 (L) 0.188 (R) frame</td>
</tr>
<tr>
<td>6.92 - 10.36:1 zoom HB</td>
<td>109-235</td>
<td>12m - 80m</td>
<td>Vert: 0.629 (U) 0.5 (D) frame, Hor: 0.188 (L) 0.188 (R) frame</td>
</tr>
</tbody>
</table>

* 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. 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

### Power Requirements

- Power Consumption
200VAC to 230VAC, 50/60Hz single phase

**Thermal Dissipation**
Max 10284 BTU/Hour @ 230VAC BTU/Hour

**Typical:** 2800 W, **Maximum:** 3100 W

**Fan Noise**
Typical: 50dBa, Max 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

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**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)

**Dimensions**
L: 969.3mm, W: 650mm, H: 397.3mm (Excl handles)
L: 38.2in, W: 25.6in, H: 15.6in (Excl handles)

**Accessories**

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<th>Part No.</th>
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<td>Optional lens mount insert for selected competitor lenses</td>
<td>119-729</td>
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*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**

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<td>Important Information</td>
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