

Titan Laser 33000 4K-UHD

31,000 ISO / 27,500 ANSI @ 4K-UHD. 34,000 ISO / 30,500 @ WUXGA Lumens | Contrast Ratio: 18,000:1 (Dynamic Black) / 2,000:1 Native | Part No:119-726

TITAN LASER SERIES DIGITAL PROJECTORS



THE VISIONARIES CHOICE

Colour System:	DMD Specification:
Laser Phosphor	Display capability upto 4K-UHD 8.3 megapixels pixels on screen at 4K-UHD Fast transit pixels for smooth greyscale and improved contrast. Display resolutions 4K-UHD (3840 x 2160)
Display Type:	Aspect Ratio:
3 x 0.96" WUXGA DMD	16:9
	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 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.

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

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

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

Computer Compatibility

2D 4K-UHD upto 60Hz
 3D Supported Formats will be displayed upto WUXGA

Bandwidth

498 Mpixels/sec via DisplayPort and HDMI2.0.

Remote Control

Addressable IR remote Control, Wireless and wired. On-Board keypad

Automation Control

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

Lens	Part No.	Focus Range	Lens Shift
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 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 & 230VAC selectable, 50/60Hz single phase

Power Consumption

230V Typical: 3100W , Maximum 3400 W

Thermal Dissipation

Max 11430 BTU/Hour @ 200VAC BTU/Hour

Fan Noise

Max 52dBA Eco Typ: 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-

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<http://www.digitalprojection.co.uk/digital-products/.jpg>

5 Risk Group 3, WEEE (UK)

**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](#)

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