

Titan 800 WUXGA 3D

12,000 ANSI Lumens | Contrast Ratio: 2,000:1 | Part No:112-489



| | |
|--|---|
| Colour System: 3-chip DLP® | DMD Specification: 1920 x 1200 pixels native, +/- 12° tilt angle Fast transit pixels for smooth greyscale and improved contrast. |
| Display Type: 3 x 0.96" DarkChip™ DMD™ | Aspect Ratio: 16x10 Fill Factor 87% |

Key Features

Standard Inputs (1-8): Front End Video Capabilities

Video & Graphics Processing

- High bandwidth digital & analog receiver with 10 bit A-D.
- Automatic detection of interlaced video and implementation of 3:2 or 2:2 extraction as appropriate, with pixel based, motion adaptive interpolation and auto cadence correction.
- Displayed image frame locked to input with as low as 1 frame total latency.
- 24p and 1080p native display.
- Image enhancement for MPEG, Mosquito noise & color transients in composite sources.

Geometry Correction

- Cornerstone, Vertical & Horizontal Keystone, Pincushion & Barrel, and Image Rotation.
- Non-linear Warp adjustment by moving points on an interpolated grid.

Edge Blending

- Semi-automated multi projector tiling
- Correction for non-active pixels at the edge of the display.

Super Image Clarity

- Geometry correction and Edge Blending implemented in single stage process, retaining maximum image resolution.

Picture in Picture

- Two sources can be displayed either one within the other (PIP), or side by side, with original aspect ratios maintained.

ColorMax™

- Accurate matching of projectors in tiled or blended applications.
- User selection and storage of primary and secondary color targets.

High Bandwidth Inputs (9-11): Bypassing Front End for Minimal Latency

- Pixel mapped to the display.
- Dual Link DVI accepts frame rates up to 160Hz with latency as low as 1 frame.
- HDMI 1.4 for Side by Side, Frame Packing & Top Bottom formats.
- Dual Flash Processing can be used to multiply the displayed frame rate for 3D sources (example 144Hz display).
- FastFrame™ Smear Reduction.
- Dual Pipe processing: two sources in parallel for left and right eyes.
- Synchronisation of active glasses or polarising switcher.

Projector Controller Software

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

Source Compatibility:

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

HDMI and DVI include Deep Color™ processing up to 36 bit.

DVI inputs are HDMI compatible.

Digital Audio Extraction via SPDIF for HDMI sources.

Graphics standards up to 1920 x 1200 at 60Hz via DVI or VGA.

Component Video (SD and HD) via YPrPb, RGB or RGBS.

S-Video (PAL, NTSC & SECAM)

Composite Video (PAL, NTSC & SECAM)

High Bandwidth, Pixel Mapped Path:

Dual DVI accepts graphics standards up to 1920 x 1200 at 120Hz.

HDMI 1.4 including 3D Standards

Dual Pipe (2 x DVI)

Inputs/Outputs

| Video & Computer | | | Communication & Control | | |
|------------------------|----------------|-----|-------------------------|-------------------|-----|
| Type | Connector | Qty | Type | Connector | Qty |
| DVI-D / DVI-A | DVI-I | 1 | 3D Sync Out | BNC | 1 |
| HDMI 1.3 | HDMI | 1 | 3D Sync In | BNC | 1 |
| 3G-SDI | BNC | 1 | LAN | RJ45 | 1 |
| VGA / Analog RGB | 15-pin D-Sub | 1 | RS232 | 9-pin D Sub | 1 |
| Component Video | 4 x BNC | 1 | Wired Remote In | 3.5mm Stereo Jack | 1 |
| S-Video | 4-pin Mini DIN | 1 | Wired Remote Out | 3.5mm Stereo Jack | 1 |
| Composite Video | RCA | 1 | Update Port | RJ45 | 1 |
| Composite Video | BNC | 1 | Service Port | USB Type B | 1 |
| High Bandwidth Ports | | | | | |
| Main - Dual Link DVI-D | DVI-I | 1 | | | |
| Sub - HDMI 1.4 | DVI-I | 1 | | | |
| Audio | | | | | |
| SPDIF Digital Output | RCA | 1 | | | |

| 3D Formats Supported | HDTV Formats Supported |
|---|--|
| Frame Packing Dual Pipe Frame Sequential Side By Side (half) Top and Bottom | 1080p (23.98Hz, 24Hz, 25Hz, 29.97Hz, 30Hz, 50Hz, 59.94Hz, 60Hz), 1080i (50Hz, 59.94Hz, 60Hz), 1080sf (23.98Hz, 24Hz), 720p (50Hz, 59.94Hz, 60Hz) |

| Computer Compatibility | Bandwidth |
|------------------------|--|
| Up to 1920 x 1200 | 170 MHz on analog RGB 165 Megapixels per second on HDMI and DVI 297 Megapixels per second on Dual Link DVI |

| Remote Control | Automation Control |
|--|--------------------|
| Addressable IR remote control, wireless and wired with loop-through. On-Board invertable keypad | RS232 LAN |

| Colour Temperature |
|------------------------------------|
| User selectable from 3200 to 9000K |

| Lamp Type | Typical Lamp Life |
|-----------------------------------|---|
| 2 x 400W High Intensity Discharge | Full Power: 1500 hours (up to 3000 hours in lamp sequential mode) Eco Mode : 2000 hours (up to 4000 hours in lamp sequential mode) |

Lenses

| Lens | Part No. | Focus Range | Lens Shift |
|-------------------------|----------|-------------|---|
| 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 |
| 1.12:1 (short) fixed HB | 105-609 | 1.2m - 2m | 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 |
| 1.50 - 2.17:1 zoom HB | 114-143 | 5m - 25m | Vert: 0.237 (U) 0.237 (D) frame, Hor: 0.104 (L) 0.104 (R) frame |
| 1.72 - 2.71:1 zoom HB | 114-144 | 5m - 25m | Vert: 0.237 (U) 0.237 (D) frame, Hor: 0.104 (L) 0.104 (R) frame |
| 2.15 - 3.36:1 zoom HB | 114-145 | 5m - 25m | Vert: 0.237 (U) 0.237 (D) frame, Hor: 0.104 (L) 0.104 (R) frame |

Lens Mount

Motorised and programmable shift, zoom and focus. Intelligent Lens Memory with 5 user-definable preset positions.

| Mechanical Mounting | Orientation |
|--|---|
| Front/Rear Table Front/Rear Ceiling Adjustable Front/Rear Feet Rugged, staging tolerant chassis with integrated handles. Optional RapidRig™ frame with integrated pitch, roll and yaw adjustments. | Table Top or Inverted: Yes Pointing Up: Yes - special software required. Pointing Down: No Roll (Portrait): No |

| Power Requirements | Power Consumption |
|---------------------------------|-------------------|
| 100-240VAC 50/60Hz single phase | 1220W |

| Thermal Dissipation | Fan Noise |
|---------------------|-----------|
| 4164 BTU/Hour | 48 dBA |

| Operating/Storage Temperature | Operating Humidity |
|--|--------------------------|
| Operating: 0 to 40C (32 to 104F) Storage: -10 to 50C (14 to 122F) | 20 to 80% non-condensing |

| Weight (Chassis Only) | Dimensions |
|-----------------------|--|
| 39 kg 86.0 lb | L: 68.8 cm W: 58.5 cm H: 25.8 cm L: 27.1 in W: 23.1 in H: 10.2 in |

Safety & EMC Regulations

CE, FCC Class A, CCC

Accessories

| Accessory | Part No. |
|--|----------|
| Titan 800 Lamp & Housing | 111-896 |
| RapidRig™ Frame | 111-265 |
| Ceiling Mount Kit w/plate & 500mm pole | 112-937 |
| Infrared Remote (Replacement) | 105-023 |

**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](#)

[Important Information](#)

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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 TOWER C, RM C1202, CAI FU JIA YUAN, NO. 19 XIAO YING STREET, CHAOYANG DISTRICT BEIJING,
PR CHINA 100101
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