Titan 660 1080p UC 3D

5,000 Lumens | Contrast Ratio: 5,000:1 | Part No:112-579

**TITAN 660 SERIES**
**DIGITAL PROJECTORS**

**THE VISIONARIES CHOICE**

<table>
<thead>
<tr>
<th>Colour System:</th>
<th>DMD Specification:</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-chip DLP®</td>
<td>1920 x 1080 pixels native.</td>
</tr>
<tr>
<td></td>
<td>Fast transit pixels for smooth greyscale and improved contrast.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Display Type:</th>
<th>Aspect Ratio:</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 x 0.95&quot; DarkChip™ DMD™</td>
<td>16x9</td>
</tr>
<tr>
<td>Fill Factor</td>
<td>87%</td>
</tr>
</tbody>
</table>

### 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

<table>
<thead>
<tr>
<th>Type</th>
<th>Connector</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>DVI-D / DVI-A</td>
<td>DVI-I</td>
<td>1</td>
</tr>
<tr>
<td>HDMI 1.3</td>
<td>HDMI</td>
<td>1</td>
</tr>
<tr>
<td>3G-SDI</td>
<td>BNC</td>
<td>1</td>
</tr>
<tr>
<td>VGA / Analog RGB</td>
<td>15-pin D-Sub</td>
<td>1</td>
</tr>
<tr>
<td>Component Video</td>
<td>4 x BNC</td>
<td>1</td>
</tr>
<tr>
<td>S-Video</td>
<td>4-pin Mini DIN</td>
<td>1</td>
</tr>
<tr>
<td>Composite Video</td>
<td>RCA</td>
<td>1</td>
</tr>
<tr>
<td>Composite Video</td>
<td>BNC</td>
<td>1</td>
</tr>
</tbody>
</table>

High Bandwidth Ports
Main - Dual Link DVI-D
Sub - HDMI 1.4

Audio
SPDIF Digital Output

**Communication & Control**

<table>
<thead>
<tr>
<th>Type</th>
<th>Connector</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>3D Sync Out</td>
<td>BNC</td>
<td>1</td>
</tr>
<tr>
<td>3D Sync In</td>
<td>BNC</td>
<td>1</td>
</tr>
<tr>
<td>LAN</td>
<td>RJ45</td>
<td>1</td>
</tr>
<tr>
<td>RS232</td>
<td>9-pin D Sub</td>
<td>1</td>
</tr>
<tr>
<td>Wired Remote In</td>
<td>3.5mm Stereo Jack</td>
<td>1</td>
</tr>
<tr>
<td>Wired Remote Out</td>
<td>3.5mm Stereo Jack</td>
<td>1</td>
</tr>
<tr>
<td>Update Port</td>
<td>RJ45</td>
<td>1</td>
</tr>
<tr>
<td>Service Port</td>
<td>USB Type B</td>
<td>1</td>
</tr>
</tbody>
</table>

**3D Formats Supported**

Frame Packing
Dual Pipe
Frame Sequential
Side By Side (half)
Top and Bottom

**HDTV Formats Supported**

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**

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**

Addressable IR remote control, wireless and wired with loop-through.
On-Board invertable keypad

**Automation Control**

RS232
LAN

**Colour Temperature**

User selectable from 3200 to 9000K

**Lamp Type**

2 x 330W High Intensity Discharge
1500 hours (up to 3000 hours in lamp sequential mode)

**Lenses**

<table>
<thead>
<tr>
<th>Lens</th>
<th>Part No.</th>
<th>Focus Range</th>
<th>Lens Shift</th>
</tr>
</thead>
</table>
Lens Mount
Motorised and programmable shift, zoom and focus. Intelligent Lens Memory with 5 user-definable preset positions.

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

Power Requirements
Power Consumption
100-240VAC 50/60Hz single phase
950W

Thermal Dissipation
Fan Noise
3242 BTU/Hour
45 dBA

Operating/Storage Temperature
Operating Humidity
Operating: 0 to 35°C (32 to 95°F)
Storage: -10 to 50°C (14 to 122°F)
20 to 80% non-condensing

Weight (Chassis Only)
Dimensions
36 kg
L: 64.6 cm W: 56.9 cm H: 25.3 cm
79.4 lb
L: 25.4 in W: 22.4 H: 10.0 in

Safety & EMC Regulations
CE, FCC Class A, CCC

*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

Specifications subject to change without notice. Digital Projection version: 1.5 - 14-Aug-13 ©2016 Digital Projection.
DLP®, Digital Light Processing™ and DMD are trademarks of Texas Instruments, Inc