

# TITAN LASER SERIES DIGITAL PROJECTORS

THE VISIONARIES CHOICE



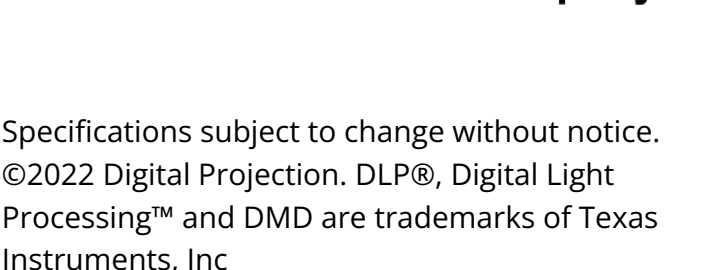
## Titan Laser 26000 4K-UHD

**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 Number: 122-213**

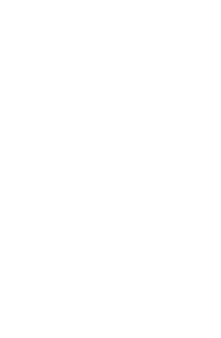
### Key Specifications:

<b>Colour System:</b>	Laser Phosphor																																																						
<b>Display Type:</b>	3 x 0.96" WUXGA DMD™																																																						
<b>DMD Specification:</b>	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)																																																						
<b>Aspect Ratio:</b>	16x9																																																						
<b>Fill Factor:</b>	N/A as Smooth Picture DMD																																																						
<b>Key Features:</b>	<p><b>Video &amp; Graphics Processing</b></p> <ul style="list-style-type: none"> <li>• DisplayPort 1.2</li> <li>• 2 x HDMI 2.0b HDCP 2.2</li> <li>• HDR processing</li> <li>• 2 x HDMI 1.4b HDCP 1.4 for Dual Pipe processing and Frame Sequential 3D Format.</li> <li>• Sequential Processing: 3D via single HDMI 1.4b input</li> <li>• Dual Pipe Processing: 3D Left and Right eyes via two HDMI 1.4b inputs.</li> <li>• Synchronisation of active glasses.</li> <li>• 3G-SDI with loop-through.</li> <li>• DICOM simulation mode.</li> <li>• DMX Art-Net</li> </ul> <p><b>General Features</b></p> <ul style="list-style-type: none"> <li>• Constant Brightness control</li> <li>• Multi-Projector Brightness control</li> <li>• Compatible with selected competitor lenses via lens converter</li> <li>• Selectable EDID</li> <li>• Custom Start-up Logo</li> </ul> <p><b>Geometry Correction</b></p> <ul style="list-style-type: none"> <li>• 4-Cornerstone, Vertical &amp; Horizontal Keystone, Pincushion &amp; Barrel, Arc and Image Rotation</li> <li>• Non-linear warp</li> <li>• Digital Zoom, Pan and Scan</li> <li>• Blanking control for custom input window sizing.</li> <li>• Scaling available for fixed aspect ratio screens.</li> <li>• Unscaled processing for pixel mapped display</li> </ul> <p><b>Edge Blending</b></p> <ul style="list-style-type: none"> <li>• Blending control available for all sides with width control.</li> <li>• Correction for non-active pixels at the edge of the display.</li> <li>• Electronic Black Level Compensation.</li> </ul> <p><b>Picture in Picture</b></p> <ul style="list-style-type: none"> <li>• 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.</li> </ul> <p><b>HDBaseT® Interface</b></p> <ul style="list-style-type: none"> <li>• Built in support for reception of uncompressed High Definition Video over standard CAT5e/6 LAN cable</li> <li>• Allows projector to be placed up to 100m from source with low cost cabling</li> <li>• Supports up to 4K UHD 3840 x 2160@60Hz 4:2:0 or 4K UHD 3840 x 2160@30Hz 4:2:2</li> </ul> <p><b>Colour Processing</b></p> <ul style="list-style-type: none"> <li>• Four colour modes available</li> <li>• Powerful seven point colour correction for accurate colour matching with presets.</li> <li>• Easy colour temperature selection</li> <li>• Manual seven point colour adjustment</li> <li>• Traditional lifts and gains</li> </ul> <p><b>Projector Controller Software</b></p> <ul style="list-style-type: none"> <li>• Intuitive user interface for network control</li> <li>• Simultaneous control of user-defined groups of projectors</li> <li>• At-a-glance monitoring of projector status</li> </ul> <p><b>Projector Automation</b></p> <ul style="list-style-type: none"> <li>• Real-time clock provides daily on/off automation</li> <li>• E-mail alerts for system status</li> </ul>																																																						
<b>Source Compatibility</b>	<p>2D Graphics standards up to 4K-UHD 3840x2160 resolution at 60Hz via HDMI 2.0, HDBaseT (4:2:0), DisplayPort inputs</p> <p>3D Graphics standards up to dual-pipe WUXGA 120Hz via HDMI 1.4b inputs</p> <p>3G-SDI is SMPTE 292M, SMPTE 259M-C and SMPTE 424M compliant.</p> <p><b>WUXGA mode</b></p> <p>2D sources up to WUXGA 120Hz and 4K-UHD 60Hz can be displayed scaled to fit WUXGA</p> <p>3D sources up to WUXGA 120Hz can be displayed scaled to fit WUXGA</p> <p><b>4K-UHD mode</b></p> <p>2D sources up to 4K-UHD will be displayed scaled to fit 4K-UHD</p> <p><b>Auto Mode</b></p> <p>Sources greater than WUXGA will be displayed scaled to fit 4K-UHD</p> <p>Sources up to WUXGA will be displayed scaled to fit WUXGA</p>																																																						
<b>Inputs/Outputs</b>	<table border="1"> <thead> <tr> <th colspan="3">Video &amp; Computer</th> <th colspan="3">Communication &amp; Control</th> </tr> <tr> <th>Type</th> <th>Connector</th> <th>Qty</th> <th>Type</th> <th>Connector</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>DisplayPort 1.2 (2D)</td> <td>DisplayPort</td> <td>1</td> <td>3D Sync In</td> <td>BNC</td> <td>1</td> </tr> <tr> <td>HDMI 1.4b (3D)</td> <td>HDMI</td> <td>2</td> <td>3D Sync Out</td> <td>BNC</td> <td>1</td> </tr> <tr> <td>HDMI 2.0b (2D)</td> <td>HDMI</td> <td>2</td> <td>LAN</td> <td>RJ45</td> <td>2</td> </tr> <tr> <td>3G-SDI in (2D)</td> <td>BNC</td> <td>1</td> <td>RS-232</td> <td>9-pin D-Sub</td> <td>1</td> </tr> <tr> <td>3G-SDI out</td> <td>BNC</td> <td>1</td> <td>Wired Remote</td> <td>3.5mm Stereo Jack</td> <td>1</td> </tr> <tr> <td>HDBaseT/LAN (2D)</td> <td>RJ45</td> <td>1</td> <td>12V Trigger</td> <td>3.5mm Stereo Jack</td> <td>2</td> </tr> <tr> <td></td> <td></td> <td></td> <td>3D Sync IR Out</td> <td>BNC</td> <td>1</td> </tr> </tbody> </table>	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
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																																																		
<b>3D Formats Supported</b>	<p>Sequential / 1080p @100Hz</p> <p>Sequential / 1080p @120Hz</p> <p>Sequential / WUXGA @100Hz (RB)</p> <p>Dual-Pipe / 1080p @ 50Hz</p> <p>Dual-Pipe / 1080p @ 60Hz</p> <p>Dual-Pipe / WUXGA @ 50Hz (RB)</p> <p>Dual-Pipe / WUXGA @ 60Hz</p>																																																						
<b>HDTV Formats Supported</b>	<p>1080p (24Hz, 25Hz, 30Hz, 50Hz, 60Hz)</p> <p>1080i (50Hz, 60Hz)</p> <p>720p (50Hz, 60Hz)</p> <p>2K (24Hz, 25Hz, 30Hz, 50Hz, 60Hz)</p> <p>4K-UHD (24Hz, 25Hz, 30Hz, 50Hz, 60Hz)</p>																																																						
<b>Computer Compatibility</b>	<p><b>2D</b> 4K-UHD upto 60Hz</p> <p><b>3D</b> Supported Formats will be displayed within WUXGA</p>																																																						
<b>Bandwidth</b>	498 Mpixels/sec via DisplayPort and HDMI2.0.																																																						
<b>Remote Control</b>	Addressable IR remote Control, Wireless and wired. On-Board keypad																																																						
<b>Automation Control</b>	<p>Crestron RoomView Connected</p> <p>LAN</p> <p>RS-232</p> <p>AMX (Debr Discovery)</p> <p>DMX Art-Net</p> <p>Served web pages (Projector status, Projector control, Crestron RoomView, Network settings, Alert mail setup, Time setup, Error log, On screen Display )</p>																																																						
<b>Colour Temperature</b>	3200K to 9300K																																																						
<b>Operation</b>																																																							
<b>Illumination Type</b>	Laser Light Source																																																						
<b>Typical Illumination Life</b>	20,000 hours																																																						
<b>Lenses</b>	<table border="1"> <thead> <tr> <th>Lens</th> <th>Part No.</th> <th>Optimised Focus Range*</th> <th>Lens Shift (Frame)</th> </tr> </thead> <tbody> <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 (Includes 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> <p>* 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%.</p>	Lens	Part No.	Optimised Focus Range*	Lens Shift (Frame)	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	1.16 - 1.49:1 zoom HB	109-236	3m - 15m	Vert: 0.44 (U) 0.44 (D) frame, Hor: 0.188 (L) 0.188 (R) frame	1.39 - 1.87:1 zoom HB	105-610	4m - 24m	Vert: 0.629 (U) 0.5 (D) frame, Hor: 0.188 (L) 0.188 (R) frame	1.87 - 2.56:1 zoom HB	105-611	4m - 24m	Vert: 0.629 (U) 0.5 (D) frame, Hor: 0.188 (L) 0.188 (R) frame	2.56 - 4.16:1 zoom HB	105-612	9.1m - 45m	Vert: 0.629 (U) 0.5 (D) frame, Hor: 0.188 (L) 0.188 (R) frame	4.16 - 6.96:1 zoom HB	105-613	12m - 80m	Vert: 0.629 (U) 0.5 (D) frame, Hor: 0.188 (L) 0.188 (R) frame	6.92 - 10.36:1 zoom HB	109-235	12m - 80m	Vert: 0.629 (U) 0.5 (D) frame, Hor: 0.188 (L) 0.188 (R) frame														
Lens	Part No.	Optimised Focus Range*	Lens Shift (Frame)																																																				
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																																																				
1.16 - 1.49:1 zoom HB	109-236	3m - 15m	Vert: 0.44 (U) 0.44 (D) frame, Hor: 0.188 (L) 0.188 (R) frame																																																				
1.39 - 1.87:1 zoom HB	105-610	4m - 24m	Vert: 0.629 (U) 0.5 (D) frame, Hor: 0.188 (L) 0.188 (R) frame																																																				
1.87 - 2.56:1 zoom HB	105-611	4m - 24m	Vert: 0.629 (U) 0.5 (D) frame, Hor: 0.188 (L) 0.188 (R) frame																																																				
2.56 - 4.16:1 zoom HB	105-612	9.1m - 45m	Vert: 0.629 (U) 0.5 (D) frame, Hor: 0.188 (L) 0.188 (R) frame																																																				
4.16 - 6.96:1 zoom HB	105-613	12m - 80m	Vert: 0.629 (U) 0.5 (D) frame, Hor: 0.188 (L) 0.188 (R) frame																																																				
6.92 - 10.36:1 zoom HB	109-235	12m - 80m	Vert: 0.629 (U) 0.5 (D) frame, Hor: 0.188 (L) 0.188 (R) frame																																																				
<b>Lens Mount</b>	Motorised Shift, Zoom and Focus. Intelligent Lens Memory with 10 user-definable pre-set positions for zoom lenses.																																																						
<b>Mechanical Mounting</b>	Front/Rear Table Front/Rear Ceiling Adjustable Front/Rear Feet																																																						
<b>Orientation</b>	<p><b>Table Top or Inverted:</b> Yes</p> <p><b>Pointing Up:</b> Yes</p> <p><b>Pointing Down:</b> Yes</p> <p><b>Roll (Portrait):</b> Yes</p>																																																						
<b>Power Requirements</b>	200VAC to 230VAC, 50/60Hz single phase																																																						
<b>Power Consumption</b>	Typical: 2800 W , Maximum 3100																																																						
<b>Thermal Dissipation</b>	Max 10284 BTU/Hour @ 230VAC																																																						
<b>Fan Noise</b>	Typical: 50dBa, Max 52dBa, Eco Typical: 47dBa																																																						
<b>Operating/Storage Temperature Operating:</b>	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)																																																						
<b>Operating Humidity</b>	Operating: 10% ~ 90% non-condensing Storage: 10% ~ 90% non-condensing																																																						
<b>Weight</b>	95 kg / 209 lbs																																																						
<b>Dimensions</b>	L: 969.3mm, W: 650mm, H: 397.3mm (Excl handles) L: 38.2in, W: 25.6in, H: 15.6in (Excl handles)																																																						
<b>Safety &amp; EMC Regulations</b>	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)																																																						
<b>Accessories</b>	<table border="1"> <thead> <tr> <th>Accessory</th> <th>Part No.</th> </tr> </thead> <tbody> <tr> <td>Infrared Remote Control (Replacement)</td> <td>118-678</td> </tr> <tr> <td>Optional lens mount insert for selected competitor lenses</td> <td>119-729</td> </tr> </tbody> </table> <p><i>*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.</i></p>	Accessory	Part No.	Infrared Remote Control (Replacement)	118-678	Optional lens mount insert for selected competitor lenses	119-729																																																
Accessory	Part No.																																																						
Infrared Remote Control (Replacement)	118-678																																																						
Optional lens mount insert for selected competitor lenses	119-729																																																						
<b>Downloads</b>	<p><a href="#">PDF CAD Drawings</a></p> <p><a href="#">AUTOCAD Drawings</a></p> <p><a href="#">STEP / IGS Drawings</a></p> <p><a href="#">Rigging Frame CAD Drawings</a> <a href="#">Rigging Frame CAD Drawings</a></p> <p><a href="#">Lens CAD Drawings</a></p>																																																						
<b>User Guide</b>	<p><a href="#">User Guides</a></p> <p><a href="#">User Guides (German)</a></p> <p><a href="#">User Guides (French)</a></p> <p><a href="#">Laser Risk Group Document</a></p> <p><a href="#">Important Information</a></p> <p><a href="#">Control Protocol</a></p>																																																						

- DIGITAL PROJECTION, INC**  
**55 Chastain Road, Suite 115 Kennesaw, GA.**  
**30144**  
**T: 770.420.1350 | F: 770.420.1360**  
**www.digitalprojection.com**
- 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**  
**Rm A2301, Shaoyaoju 101 North Lane, Shi Ao**  
**International Center, Chaoyang District, Beijing 100029, PR China**  
**T: +86.10.58239771 | F: +86 10 58239770**



Specifications subject to change without notice.  
 ©2022 Digital Projection. DLP®, Digital Light Processing™ and DMD are trademarks of Texas Instruments, Inc



Certificate Number 13629  
 ISO 9001

