Planar’s Panther Lamp Lit Series is a rear projection video wall display that has been designed from customer’s perspective. Planar understands the objectives and the technical requirements of the clients. After accumulating the in-depth understanding of various challenges faced in control room applications, Panther Series was designed to combine high end resolutions, high contrast ratios, intelligent & life-like colors for outstanding performance in a wide variety of environments.

Highly compatible with other technologies, modules and equipments. It delivers the high reliability with unique viewing experience which is Planar’s ultimate commitment to valued customers.

Intelligent automatic color and brightness adjuster ensures every display in the video wall operates at a user-defined color or brightness level which ultimately results in ultra clear, bright, sharp, precise and balanced images on the video wall. The Panther Lamp Lit series is engineered for trouble free operations with lower cost-of-ownership.

DLP® is a technology developed by Texas instruments and stands for its Digital Light Processing. With its consistent performance, it has become the industry-standard display technology.

The state-of-the-art hardware design delivers unsurpassed image quality for crystal clear presentation, operational reliability and service. Designed for 24x7 critical operations with extended reliability.
Intelligent adjustment of color & brightness

For video wall environment with critical power or ambient light requirements, the Panther Lamp Series with intelligent color & brightness adjustment can easily acclimatize to these challenging environments. It provides the uniformity of color and brightness over entire video wall.

3 Layers Antiglare screen technology provides

» Excellent contrast & Magnificent centre-to-corner brightness uniformity.
» Cross prism architecture with fresnel & lenticular lenses.
» Transparent layer Density plate provides rigidity and flatness

Fresnel layer focuses the light

» Lenticular layer projects the image to the viewer
» High resistance to ambient light & High quality image.
» Consistent, minimized gaps between screens
» Frame architecture provides rigidity and flatness.

Automatic Data Processing System

Display cube’s main parts are optical engine, input module, screen & cube body. The Automatic Data Processing caters from optical engine & Input module which multiplies the signals and displays over screen through optical engine.

Serviceability

Full rear serviceability provides the ease and eliminates the repetitive & tedious job of re-alignment of screen from the front during service.

Features

» Dual Power Backup for seamless switching with redundancy at power level.
» High brightness Lamps with auto redundancy.
» Vertical replacement mechanism of Lamp.
» Supported to 16 GBPS data transfer controlling system (Indisys™ system).
» Advanced modular design to eliminates messy wiring reduces signal interference and increases the operation stability.
» Low ambient noise.
» Projection unit with dustproof design for completely dust-free operations & Zero Dust Ingress.
» Staple free screen construction design to prevent from pouching & bowing.
LAN Layer is catered through LAN based controller which is used for displaying images which are captured through LAN or generated through any LAN based application.

- Based on state of art PC architecture.
- Processor - Intel i7/xeon/Quad core etc.
- Display upto 16 display.
- Operating System - Linux/Windows/Unix plateform
- LAN ports - upto 4 ports.
- Power Supply - Redundant, Autoswitch, 100-240 VAC.
- Mounting - 4U 19".
- Optional Inputs - Additional LAN Ports, CCTV input 1/4/8/16 channel, satellite time synchronzation system.

Basic components of Indisys™ network are as under -

- Image Gateways - Converts RGB Signal into DVI (D) Signal @ 165 MPixel.
- Multi Video Input - Converts 8 or 16 nos of Video Signals into one time multiplexed DVI (D) Signal @ 165 MPixel.
- Image Hub - Digital multiplexer which time multiplexes 4 display port inputs @ 165 MPixel into 1 display port @ 330 MPixel.
- Image Master - For Support indisys™ Technology & other open architecture based devices.
- MPEG Gateway - Acquires and decoded network based MPEG Video streams and converts them to DVI (D) Signal @ 165 MPixel.

Clarity Visual Control Station (VCS)

- Display upto 40 displays.
- Processor - Quad Core 2.66 Ghz SBC/Core i7/Dual Xeon.
- Operating System - Windows 7, 64bit.
- LAN Ports - upto 4 Ports.
- Graphic Output - 1920 x 1200 DVI/RGB - time 4-16 per output card.
- Power Supply - Redundant, 500 watt.
- Mounting - 4U 19".
- Additional Inputs - Video Input 4/8/12/16 Channel, RGB DVI/HD Input, Optional IP Decoder.

Other Control Wares

- Matrix Switcher - For DVI, VGA, Display port input signals up to 32 x 32 matrixes.
- Image Splitter - For DVI, VGA Display port input signals up to 8 displays.
- Signal Converter - For DVI to VGA, VGA to DVI, DVI to Display port, Display port to DVI etc.
- Signal Amplifier - For Boosting the signals over 300 feet away.
- IP Based CCTV Decoders - IP Based CCTV Solutions.
- High Resolution Scalers & Scan Convertors - Expands Visual Expandability with audio Embedding.
- Wireless Signal Transmission - Improved Signal proficiency.
- RGB/DVI Over IP - Encoders, Decoders, Recorders Codecs.
<table>
<thead>
<tr>
<th>Model</th>
<th>PS0X</th>
<th>P67X</th>
<th>PS0S</th>
<th>P67S</th>
<th>P80S</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Diagonal Size</strong></td>
<td>50&quot;</td>
<td>67&quot;</td>
<td>50&quot;</td>
<td>67&quot;</td>
<td>80&quot;</td>
</tr>
<tr>
<td>Resolution</td>
<td>XGA (1024x768)</td>
<td>XGA (1024x768)</td>
<td>SXGA+ (1400 x 1050)</td>
<td>SXGA+ (1400 x 1050)</td>
<td>SXGA+ (1400 x 1050)</td>
</tr>
<tr>
<td>Aspect Ratio</td>
<td>4:3</td>
<td>4:3</td>
<td>4:3</td>
<td>4:3</td>
<td>4:3</td>
</tr>
<tr>
<td><strong>Engine Output</strong></td>
<td>900 ANSI Lumens</td>
<td>900 ANSI Lumens</td>
<td>1600 ANSI Lumens</td>
<td>1600 ANSI Lumens</td>
<td>1600 ANSI Lumens</td>
</tr>
<tr>
<td>Lamp Life (Hrs.)</td>
<td>10,000 x 1</td>
<td>10,000 x 1</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Single Lamp</td>
<td>10,000 x 2</td>
<td>10,000 x 2</td>
<td>8,000 x 2</td>
<td>8,000 x 2</td>
<td>8,000 x 2</td>
</tr>
<tr>
<td>Dual Lamp</td>
<td>120W</td>
<td>120W</td>
<td>160W</td>
<td>160W</td>
<td>160W</td>
</tr>
<tr>
<td>Lamp Wattage</td>
<td>555</td>
<td>310</td>
<td>987</td>
<td>551</td>
<td>490</td>
</tr>
<tr>
<td><strong>Screen Brightness (cd/m²)</strong></td>
<td>View Angle (1/2 gain)</td>
<td>View Angle (1/5 gain)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H = +/-.3°; V= +/-17°</td>
<td>H = +/-.6°; V= +/-25°</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Contrast Ratio</strong></td>
<td>1800:1</td>
<td>1800:1</td>
<td>2000:1</td>
<td>2000:1</td>
<td>2000:1</td>
</tr>
<tr>
<td><strong>Screen Dimensions</strong></td>
<td>40&quot; 1016 mm)</td>
<td>53.5&quot; (1360 mm</td>
<td>40&quot; (1016 mm)</td>
<td>53.5&quot; (1359 mm</td>
<td>62.5&quot; (1588 mm</td>
</tr>
<tr>
<td>Width (W)</td>
<td>30&quot; 762 mm)</td>
<td>40.15&quot; (1020mm</td>
<td>30&quot; (762 mm)</td>
<td>40.2&quot; (1020mm</td>
<td>46.9&quot; (1191 mm</td>
</tr>
<tr>
<td>Height (H)</td>
<td>27.8&quot; (706 mm)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cabinet Dimensions</td>
<td>Width (W)</td>
<td>Height (H)</td>
<td>Depth (D)</td>
<td>Width (W)</td>
<td>Height (H)</td>
</tr>
<tr>
<td>40&quot; (1016 mm)</td>
<td>39.8&quot; (1012 mm)</td>
<td>27.8&quot; (706 mm)</td>
<td>80 kg</td>
<td>110 kg</td>
<td>80 kg</td>
</tr>
</tbody>
</table>

**Specifications are subject to change without prior notice for continuous improvements/constant R & D.**

---

**Planar is a trademark of Planar Systems, Inc. All other trade and service marks are the property of their holders.**

**Pyrotech Electronics Pvt. Ltd., INDIA is authorized for proposal, negotiation, execution, commissioning, training after sales service support and spares.**

**Copyright© 2013 Planar Systems, Inc. All rights reserved. This document may not be copied in any form without written permission from Planar Systems, Inc. Information in this document is subject to change without notice. 3/13**