

- Single or Dual Link DVI Matrix Switching
- Flexible I/O Configuration
- Supports up to 330 MHz Pixel Clock Rate
- Supports DVI-Ready Fiber I/O
- Built-in RS-232/LAN Control
- GUI Control Software
- Enhanced EDID Management
- Pixel Re-Clocking & Error Correction
- Extensive Diagnostics
- Vista and BARCO Emulation
- Compact 2RU Enclosure



Rev 3.00

## Markets

Command and Control  
Audio Visual  
Security  
Large Venue

Simulation and Training  
Education  
Medical Imaging  
Military

### Specifications – 12x12 – SL/DL Frame

Supported I/O Combinations	4x4, 4x8, 8x4, 4x12, 12x4, 8x8, 8x12, 12x8, 12x12, 8x16, 16x8.
DVI Support	Supports mixed single-link and dual-link DVI I/O applications
Fiber Support	Supports DVI-ready Fiber I/O
Cable Supported	Input supports 50 meters of copper cable without external conditioning. Output supports 50 meters of copper with phantom powered conditioning at display device.
Converters Supported	Input supports BDV's RGB-DVI and HD/SDI-DVI signal converters.
Control	RS232, 10/100/1000T Ethernet, Java GUI
Operating System	Linux
I/O EDID Management	Pass through, mirror, custom entry.
I/O Status and Timing Measurements	Yes
Extensive Diagnostics	Yes
Password Protected Network Access	Yes
Field Upgradeable Firmware	Yes
Power	300W full load, 90-264VAC, 47-63Hz
Rack Height	Compact 2U rack height
Dimensions	19" length x 14" depth x 3.5" height
RoHS Compliant	Yes

### Specifications - DVI I/O Cards



#### SXPS-QDLI Input Card

Input Mode	Quad Input Single/Dual Link DVI
Pixel Clock Rate	25-330 MHz
Inputs	Input Auto EQ, EDID I2C Acceleration
Input Timing Diagnostics	Yes
Power	16.4 Watts
RoHS Compliant	Yes

#### SXPS-QDLO Output Card

Output Mode	Quad Output Single/Dual Link DVI
Pixel Clock Rate	25-330 MHz
Outputs	EDID I2C Acceleration
Output Timing Diagnostics	Yes
True Pixel Regeneration	Yes
Clock Conditioning	Yes
Power	31.5 Watts
RoHS Compliant	Yes

#### SXPS-QLSC Output Scaler Card (Future Product)

Output Mode	Quad Output Single Link DVI
Pixel Clock Rate	25-165 MHz
Signal Processing	Pass Through or Active Signal Processing
Frame Latency	<1.5 Frames
Scaler Modes	Fit, Fill, Center, Stretch, Zoom
Zoom Factor	Up to 600%
Special Effects	Programmable Dissolve, Force, Chromakey, etc.
Windowing	4 Windows per Card
Wall Processing	Yes
True Pixel Regeneration	Yes
Clock Conditioning	Yes
Outputs	EDID I2C Acceleration
Output Timing Diagnostics	Yes
Power	38 Watts
RoHS Compliant	Yes

### Specifications - SC Fiber I/O Cards (*Future Product*)

SXPS-QDLI-F Input Card ( <i>Future Product</i> )		SXPS-QSLSC-F Output Scaler Card ( <i>Future Product</i> )	
Input Mode	Quad Input Dual Link DVI	Output Mode	Quad Output Single Link DVI
Fiber Connector	SC	Fiber Connector	SC
Fiber Cable Type	Multimode Single Strand 50/125 or 62.5/125	Fiber Cable Type	Multimode Single Strand 50/125 or 62.5/125
Pixel Clock Rate	25-165 Mhz	Pixel Clock Rate	25-165 Mhz
Input Timing Diagnostics	Yes	Signal Processing	Pass Through or Active Signal Processing
Power	16.4 Watts	Frame Latency	<1.5 Frames
RoHS Compliant	Yes	Scaler Modes	Fit, Fill, Center, Stretch, Zoom
<b>SXPS-QDLO-F Output Card (<i>Future Product</i>)</b>		Zoom Factor	Up to 600%
Output Mode	Quad Output Dual Link DVI	Wall Processing	Yes
Fiber Connector	SC	True Pixel Regeneration	Yes
Fiber Cable Type	Multimode Single Strand 50/125 or 62.5/125	Clock Conditioning	Yes
Pixel Clock Rate	25-165 Mhz	Output Timing Diagnostics	Yes
True Pixel Regeneration	Yes	Power	38 Watts
Clock Conditioning	Yes	RoHS Compliant	Yes
Output Timing Diagnostics	Yes		
Power	31.5 Watts		
RoHS Compliant	Yes		