Platinum SX Pro

Multi-Display Management System

Platinum™ SX Pro is a scalable and high-density multiviewer designed for Platinum™ routing frames, offering more sources and outputs in fewer rack units.

Combining the best in multi-image processing technology with the game-changing advantages of the Platinum router series, the Platinum SX Pro provides a vast range of user-friendly configuration and control options. It is a powerful, highly reliable, space-saving multi-display management system that is easy to deploy, consumes less power, and reduces overall integration and operating costs.

Benefits

- Advanced scaling technology for unsurpassed picture quality
- Unmatched display output options
- Built-in wall control functionality
- Superior redundancy

Features

- Pristine, quality images – ideal for production environments
- Less than one frame of processing delay
- Monitoring of up to 576 sources over 192 displays in a single IP3 frame
- Monitoring of 1152 sources via two interconnected IP3 frames
- Flexible control of displays in groups from 1 – 6 at a time
- Support for 3G/HD/SD/Composite signals
- Simultaneous HDMI and HD-SDI outputs
- SFP fiber output option
- Alarming on audio, video and metadata faults
- Monitoring of embedded, AES, analog or MADI audio
- Monitoring of DolbyE metadata with audio pass-thru
- Embedded and AES audio monitor output
- On-screen clocks and timers
- Support for dynamic UMD and Tally protocols
- Daktronics and OES scoreboard support
- Alpermann + Velte Rubidium Master Timing Series support
- LTC, NTP and VITC timecode
- Dynamic aspect ratio management
- Safe area and aspect ratio markers
- Closed Caption, Teletext Subtitle and OP-47 HD decode and display
- On-screen mouse control
- SNMP and CCSP status and alarming

Applications

Maximum functionality, Minimum real estate

The Platinum SX Pro multi-display management system offers versatile, modular solutions capable of monitoring from 16 to 1152 sources in a space-, cost- and power-saving package.

Platinum SX Pro is an output module that operates in any current Platinum MX and IP3 router chassis.

Occupying from one to four slots, the module can reside alone in a Platinum frame and function exclusively as a multiviewer, or can be combined with routing cards for ultimate flexibility.

A single Platinum SX Pro card is capable of driving up to three unique displays, with the dual- and quad-slot versions capable of driving up to six. Depending on the size of the frame, up to 64 Platinum SX Pro modules can be placed in one chassis.

With Platinum SX Pro, you can monitor up to 576 baseband input signals and drive up to 192 independent displays via a single IP3 chassis. And if your business outgrows your monitoring capability, two frames can be easily linked together to increase monitoring to 1152 inputs, while simultaneously increasing the output capacity

— up to an unprecedented 384 displays in 56RU!

Specifications

VIDEO INPUTS	
Input Standards	3 Gb/s: SMPTE 424M (2.97, 2.97/1.001 Gb/s) HD: SMPTE 292M (1.485, 1.485/1.001 Gb/s) SD: SMPTE 259M-C (270 Mb/s, 525/625)
Input Resolutions	1080p 59.94/50, 1080i 59.94/50, 720p 59.94/50, SDI 525, SDI 625, PAL, NTSC

VIDEO OUTPUTS	
HDMI	
Number of Outputs	3 to 6
Output Resolution	1920x1080p 59.95/50
Connector	HDMI
HD-SDI	
Number of Outputs	3 to 6
Output Resolution	1920x1080p 59.95/50, 1920x1080i 59.95/50
Connector	HD-BNC
Fiber (option)	
Number of Outputs	3 to 6
Output Resolution	1920x1080p 59.95/50, 1920x1080i 59.95/50
Connector	LC

AUDIO OUTPUTS	
AES	
Number of Outputs	1 (selected models)
Output Standard	AES3, SMPTE 276M

CONTROL	
Configuration	Designer web-based control and configuration software
Hardware Panels	Magellan™ control panel
Network Monitoring	SNMPv3 and Magellan CCS™
GPI	Support up to 144 GPI inputs via 6 HV-GPIO-24E devices
Ancillary Data Decode	Closed Caption decode and display (EIA 608, 708) Teletext Subtitle decode and display (EN 300 706 and OP-47) VITC decode and display Source ID (SMPTE 291M) WSS decode AFD
UMD Protocol Support	TSL 3.1, 4.0, 5.0 Image Video Grass Valley Kalypso Sony MVS Zandar

CONTROL	Ross contribution protocol
Graphics Overlay	Customizable backgrounds Stylized video window skins In-picture embedded audio bargraphs Choice of analog/digital clock style Up/down timers 4 tally lamps - red, green, yellow, blue Dynamic UMD/tally

FAULT DETECTION AND ALARMS	
Video	Loss of video Frozen picture Black picture detection Loss of V-chip rating Loss of closed captioning data Loss of VITC data
Audio	Audio over-level Audio under level/silence Loss of embedded channels
Status Indicators	Input standard Closed Caption standard Source ID V-chip status
Environmental	Operating temperature: 41º to 95º F (5º to 35º C) Storage: 32° to 122° F (0° to 50° C) Humidity: 70% maximum

Ordering Information

PX-SXP-16x3	Multiviewer option for Platinum 5RU, 9RU, 15RU and IP3 frames, featuring 16 unique 3G/HD/SD signals across 3x HDMI and 3x HDSDI outputs. Embedded audio, UMD/Tally, alarms and Platinum Designer included as standard
PX-SXP-32x6	Multiviewer option for Platinum 5RU, 9RU, 15RU and IP3 frames, featuring 32 unique 3G/HD/SD signals across 6x HDMI and 6x HDSDI outputs. Embedded audio, UMD/Tally, alarms and Platinum Designer included as standard
PX-SXP-64x6	Multiviewer option for Platinum 5RU, 9RU, 15RU and IP3 frames, featuring 64 unique 3G/HD/SD signals across 6x HDMI and 6x HDSDI outputs. Embedded audio, UMD/Tally, alarms and Platinum Designer included as standard
PX-SXP-32x6-O	Multiviewer option for Platinum 5RU, 9RU, 15RU and IP3 frames, featuring 32 unique 3G/HD/SD signals across 6x Fiber and 6x HDSDI outputs. Embedded audio, UMD/Tally, alarms and Platinum Designer included as standard. SFP ordered separately
PX-SXP-64x6-O	Multiviewer option for Platinum 5RU, 9RU, 15RU and IP3 frames, featuring 64 unique 3G/HD/SD signals across 6x Fiber and 6x HDSDI outputs. Embedded audio, UMD/Tally, alarms and Platinum Designer included as standard. SFP ordered separately
PX-SXP-32x6-OD	Multiviewer option for IP3 frame, 32 unique 3G/HD/SD signals across 6x Fiber outputs. 4 DensiShield Interconnects accept 32 signals from 2 PX-HSRSXP2D-OBG modules. Emb audio, UMD/Tally, alarms, Designer included. SFP & DensiShield cables ordered separately
PX-SXP-64x6-OD	Multiviewer option for IP3 frame, 64 unique 3G/HD/SD signals across 6x Fiber outputs. 8 DensiShield Interconnects accept 64 signals from 4 PX-HSRSXP2D-OBG modules. Emb audio, UMD/Tally, alarms, Designer included. SFP &

	DensiShield cables ordered separately
PX-SXP-RM-S	Single slot rear module with HDMI and HD-SDI interfaces for service spares of Platinum SX Pro multiviewers
PX-SXP-RM-S-O	Single slot rear module with Optical and HD-SDI interfaces for service spares of Platinum SX Pro multiviewers, SFP ordered separately
PX-SXP-RM-S-OD	Single slot rear module with DensiShield and Optical interfaces for service spares of Platinum SX Pro multiviewers, SFP ordered separately
PX-SXP-RM-D	Dual slot rear module with HDMI and HD-SDI interfaces for service spares of Platinum SX Pro multiviewers
PX-SXP-RM-D-O	Dual slot rear module with Optical and HD-SDI interfaces for service spares of Platinum SX Pro multiviewers, SFP ordered separately
PX-SXP-RM-D-OD	Dual slot rear module with DensiShield and Optical interfaces for service spares of Platinum SX Pro multiviewers, SFP ordered separately
PX-SXP-RM-Q	Quad slot rear module with HDMI and HD-SDI interfaces for service spares of Platinum SX Pro multiviewers
PX-SXP-RM-Q-O	Quad slot rear module with Optical and HD-SDI interfaces for service spares of Platinum SX Pro multiviewers, SFP ordered separately
PX-SXP-RM-Q-OD	Quad slot rear module with Optical and DensiShield interfaces for service spares of Platinum SX Pro multiviewers, SFP ordered separately

ACCESSORY ITEMS	
PX-HSRSXP2D-OBG	Platinum IP3 SD/HD/3G System Expanded 16 Signal DensiShield Output Module Specifically for PX-SXP Multiviewers
OP+SFP+TT+13+13	Dual SFP 1310 nm fiber transmitter
SFP+2ETX	SFP Series: Dual–channel HD–BNC outputs of SD/HD/3G (reclocked output)
HV-GPIO-24E	GPIO interface for Platinum SX Pro multiviewers
RCP-PROCMV-OPT	Software license option that enables control of Imagine Communications multiviewers & processing devices on Magellan RCPs (OLED with LCD programmable pushbutton & OLED with pushbutton versions only)

Images/Diagrams

The SX Pro hardware sitting in front of a mutliviewer output screen

Back panel of the SX PRO 32x6

Back panel of the SX PRO 64x6

Back panel of the SX PRO 16x6