CHRISTIE®
Content management and image processing products

Image processing and video wall processors

Spyder-S | Rental and staging | Live events | Broadcast | Casinos | Sports venues | Government

Model(s)		Specifications	We thought of everything	QR code

Model(s)

- Spyder-S Compositor SDI 12G 8Ch
- Spyder-S Compositor SDI 12G 16Ch
- Spyder-S Compositor HDMI 2.0
- Spyder-S Compositor HDMI 2.1
- Spyder-S Compositor DisplayPort 1.4

Specifications

- Input number: Up to 64
- Output number: Up to 32
- Color space, sampling, bits: YCBCr 4:2:2/4:4:4, RGB 4:4:4, 8-/10-bit color depth
- Supported resolutions: Up to 4096 x 2160 at 60 Hz (4 Ch) or 7680 x 4320 at 30 Hz (2 Ch)
- Input/output signals: SDI 3/6/12G / SFP+ (ST297) / DP 1.4 / HDMI 2.0a / HDMI 2.1
- Network interfaces: Up to 4x QSFP28 100 Gb Ethernet, 1x SFP+/RJ45 1 Gb Ethernet, 1x SFP28 1/10/25 Gb Ethernet (optional)
- Synchronization options: Burst/ Tri-Level (BBTL) in or out, optional VESA stereo sync input connector on DP 1.4 model
- KVM support on HDMI 2.0 and HDMI 2.1 models

We thought of everything

- Flexible, modular design to customize and scale for any size display
- High-quality, real-time control with no latency
- Advanced multi-screen windowing for better performance
- Dual windowing modes for either canvas or tiled compositing
- Modular distributed architecture to create a versatile and scalable system
- Advanced connectivity including 8K video and HDR
- Christie Spyder Studio client software (GUI)
- Automation commands are backward compatible with Spyder X80
- TAA-compliant

Spyder X80 | Auditoriums | Broadcast | Control rooms | Corporate | Government | Live events

Model(s)		Specifications	We thought of everything	QR code

Model(s)

- Spyder X80

Specifications

- Input number: Up to 6 input modules, each with 4 inputs (24 inputs total)
- Output number: Up to 4 output cards, each with 4 outputs (16 outputs total)
- 8-/10-/12-bit color depth support
- Input scan rates: Up to 120 Hz dependent on pixel clock rate maximum
- Input/output signals: Each input supports 3 connections; DisplayPort 1.2, HDMI 2.0, 12G-SDI
- Input resolutions: Horizontal up to 7680 (within pixel clock); Vertical up to 2400 (within pixel clock); Support for 8-/10-/12-bit depth

We thought of everything

- 80 megapixel processing power
- Single-channel 4K support on every channel
- Extremely low latency
- Flexible and scalable I/O architecture
- Intelligent EDID
- HDCP 2.2 support
- Christie Spyder Studio client software (GUI)
- Extensive API
- Stereoscopic option
- TAA-compliant
- Remote PC functionality

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Image processing and video wall processors (continued)

Christie Hedra | Control rooms | Command centers | Broadcast | Surveillance | Transportation | Telecomm

Model(s)		Specifications	We thought of everything	QR code
• Hedra Standard • Hedra Pro-KVM • Hedra Pro-Video		• Input number: Up to 27 • Output number: Up to 6 • KVM support on select models • Internal power supplies with built-in redundancy • Supported resolutions: Up to 3840 x 2160 at 60 Hz • Max video output: up to 32MP	• Secure: Robust Linux-based embedded hardware system • Responsive: Real-time architecture with ultra-low latency • Hardware scaling with bilinear filter for the best video quality • User-friendly with browser-based control interface • API for remote control • Support for touch panel control interface • Up to 26 inputs to arrange, combine, and transmit video sources to up to four UHD displays • Supports UHD input signals • Support for picture canvas of up to 32MP • TAA compliant	

Media server software and hardware

Pandoras Box Software | Architectural | Cruise ships | Fixed installs | Live events | Museums

Model(s)		Key features	We thought of everything	QR code
• Pandoras Box® Software Version 8		• Unlimited timelines, video layers and FXs • Uncompressed 8K+ video playback • 10-bit color depth • ASIO multi-channel audio • Timeline programming for synchronized video playback across numerous outputs • Multi-preview • Pre-visualization for design reviews and pre-programming • Built-in edge-blending and warping capabilities • Remote controllable via standard industry protocols and SDK • Supports NDI®,[1] SDVoE, Dante, and Notch	• Cost-effective software playback and control • An entire feature set under a single license as a software-only solution • Turnkey solution with powerful 64-bit render engine for real-time 3D compositing • Multi-user mode allows multiple users to simultaneously control servers and work on the same show • Compatible with Christie Mystique™ automated camera-based alignment software • Available in nine languages	

[1] NDI® is a registered trademark of NewTek, Inc.

Media server hardware and software (continued)

Widget Designer | Fixed installs | Interactive installations | Live events | Museums | Theaters | Cruise ships

Model(s)

- Widget Designer Verion 6

Key features

- Customizable, interactive HTML-5 user-interfaces
- CSS-styles including animations and transitions for pages and widgets
- Direct control of hundreds of devices and protocols
- Monitoring of complex systems with visual feedback and triggers
- Multiple windows
- Viewer Mode for public spaces
- PowerPoint remote
- Composite nodes
- Cue and playlist
- Unlimited web-clients option

We thought of everything

- Interactive application builder
- Advanced control surface creation framework for customized show control
- Integrated web server can publish all created pages to external browsers on any device
- Built-in easy and intuitive scripting language
- Pandoras Box integration
- Control multiple external devices from one interface

QR code

Pandoras Box Menu | Architecture | Cruise ships | Fixed insalls | Live events | Museums

Model(s)

- Pandoras Box Menu Version 7

Key features

Pandoras Box Menu gives you quick access to:
- Pandoras Box
- Widget Designer
- Server management app
- Custom apps
- Settings
- File browser
- Network devices and graphics cards — through direct links

We thought of everything

- Pandoras Box Menu is a free, quick-launch app software solution
- Highly accessible dashboard monitors system information, sorts Pandoras Box hardware, and displays critical messages and errors
- Automatic launch capability
- Server management user interface monitors several hardware systems in the network
- Remote access and functionality
- Remote software updates and installation
- Natively implemented batch features completes tasks quickly

QR code

Pandoras Box Server R5 | Live events | Multi-media shows | Museums | Broadcast | Theme Parks

Performance kits

- PK1
- PK2
- PK3

Specifications

- 8K+ uncompressed video playback
- 10-bit color depth
- Up to 240fps
- Intel® Xeon® processor
- 10GB Ethernet
- SSD RAID system with up to 30TB drive space
- Selectable Nvidia Quadro GPUs
- Up to 8 DisplayPort outputs
- Optional sync board

We thought of everything

- High-performance link between visual displays and digital image compositing
- Turnkey solution that unites state-of-the-art rendering with intuitive media and show control
- Server-grade components for 24/7 uptime
- TAA-compliant

QR code

Media server hardware and software (continued)

Pandoras Box Compact Player | Live events | Theatre | Cruise ships | Fixed installs | Museums

Performance kits

- PK1
- PK2
- PK3

Specifications

- 4x HDMI 2.0 outputs with up to 4K at 60 Hz 4:4:4
- Professional-grade Nvidia Quadro GPU P1000
- EDID management
- Mosaic mode
- Uncompressed HD60 file playback
- Up to 2 channels of 4K video playback
- RS-232, WiFi, Bluetooth
- 1 RU, half 19" rack size

We thought of everything

- Compact media player featuring four 4K outputs
- Small size but great performance, reliability, and power
- Ideal for professional applications
- Server-grade components for 24/7 uptime
- TAA-compliant

QR code

Pandoras Box NET Link | Fixed installs | Artistic installations | Live events | Museums | Cruise ships

Model(s)

- NET Link
- Optional cards

Specifications

- Analog input modules: Calibration fiber input / 0-5V input / 0-5V sensor input / 0-10V input
- Digital input modules: 12V relay input / 24V relay input / Encoder input
- Digital output modules: 48V, 4A relay output

We thought of everything

- Converts a great number of inputs into network data
- Can be equipped with 2 configurable modules
- Enables connections between switching relays, sensor input and output, and Widget Designer software
- Allows for camera-free projector recalibration via optical fibers

QR code

Switchers and AV distribution

Mastering Gateway | Post-production | VFX | Broadcast

- Gateway SDI 12G 8Ch BIDI
- Gateway HDMI 2.0
- Gateway HDMI 2.1
- Gateway DisplayPort 1.4
- Gateway Four Ch BIDI Edit Gateway with SDI Gearbox

Specifications

- Color space, sampling, bits: YCBCr 4:2:2/4:4:4, RGB 4:4:4, 8-/10-/12-bit color depth
- Supported resolutions: Up to 4096 x 2160 at 60 Hz (4 Ch) or 7680 x 4320 at 60 Hz (1 Ch)
- Input/output signals: SDI-HD 3/6/12G / Dual and Quad-Links both in and out
- Refresh rates: 24, 25, 30, 50, 60 and each /1.001
- USB 3.0 redirect
- Network interfaces: 2x QSFP28 100 Gb Ethernet, 1x SFP+/RJ45 1 Gb Ethernet, 1x SFP28 1/10/25 Gb Ethernet (optional)
- Synchronization options: ST-2059 PTP, Burst/Tri-Level (BBTL) input, Burst output locked to PTP (optional)
- SDR/HDR support
- SMPTE 2022-7 compliant redundancy and automatic failover
- KVM support on HDMI 2.0 and HDMI 2.1 model

We thought of everything

- Support for the widest range of baseband and media standards including ST2110
- Flexible, modular design
- Ultra-low latency in on-premises and co-location production environments
- High-resolution workflow support with uncompressed 4K video, audio, and HDR with high frame rates
- Time-of-day scheduler or X-Y control
- High-performance connectivity with KVM functionality
- Intuitive user interface for instant connections
- 100 Gbps transmission and reception for stream aggregation and to maximize port utilization
- 16 channels of audio per SDI connection and up to 256 audio channels per unit
- TAA-compliant

QR code

Switchers and AV distribution (continued)

Terra Controller | Fixed installs | Control rooms | Corporate | Entertainment

Model(s)		Key features	We thought of everything	QR code
• SCO 100 EO		• Single point control over Terra transmitters, receivers, and system operation • Addressing automation • Saved configurations and presets • System-wide updates • Software client • Embedded operating system • Encrypted system data and control • Redundant control configuration	• Complete, secure operational control and management of Terra SDVoE systems • Simplified installation, configuration, programming, management, and operational tasks • Intuitive and easy-to-use configuration and programming interface • High-security safeguards your data • TAA-compliant	

Terra Receiver | Fixed installs | Control rooms | Corporate | Entertainment

Model(s)		Key features	We thought of everything	QR code
• RXO 101 SO		• Delivers artifact-free video to displays at resolutions up to 4K at 60 Hz with zero-frame latency, over standard 10G network • 4:4:4 quality maintained from source to display • HDMI 2.0, DisplayPort 1.2, audio, RS-232, IR control, Gigabit Ethernet, and USB signals supplied to displays and AV devices • Flexible signal management features include: magnification, downscaling, KVM, PiP, and confidence multi-viewer applications • Broad audio format support and audio embedding and de-embedding • KVM functionality	• Flexible, SDVoE system that provides the highest-quality onscreen experience for standard and large-format displays • Pixel-perfect, artifact-free, fluid, and natural content that is uncompromised • Easily integrate AV signals and control into the system and reduce the need for additional devices • Interfaces, processes, and transports a wide range of audio formats to support compatibility with the destination device • Endpoints can access and control AV sources using keyboard and mouse interfaces • TAA-compliant	

Terra Transmitter | Fixed installs | Control rooms | Corporate | Entertainment

Model(s)		Key features	We thought of everything	QR code
• TXO 102 SO		• Supplies artifact-free video at resolutions up to 4K at 60 Hz, over standard 10G networks • Zero-frame latency • 4:4:4 quality maintained from source to display • HDMI 2.0, DisplayPort 1.2, audio, RS-232, IR control, Gigabit Ethernet and USB signals supplied to displays and AV devices • Broad audio format support and audio embedding and de-embedding • KVM functionality	• Flexible, SDVoE system provides the highest-quality onscreen experience for large format and standard displays • Pixel-perfect, artifact-free, fluid, and natural content that is uncompromised • System support for a full range of common video signals, today and into the future • Endpoints can access and control AV sources using keyboard and mouse interfaces • TAA-compliant	

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TruLife
Reality Inside™

DLP
TEXAS INSTRUMENTS

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