CHRISTIE
PHOENIX

Government | Public utilities | Security and surveillance | Telecommunications | Transportation

The data you need, when you need it.

Make informed decisions, quickly

Sharing accurate information quickly is a priority in demanding control room environments. It's increasingly important for multiple users to share, view, and interact with data across distributed operations, to receive precise information to make quick, informed decisions.

Securely control your audio visual data, from anywhere

Your Christie® Phoenix® system can include one or many hardware nodes operating through an Ethernet network to efficiently share content between display systems. You can manage your Phoenix system with easy-to-use software and interface with external control systems, making Phoenix ideally suited for command and control systems with distributed operations.

Key features

› **Network-distributed** – Phoenix uses standard IP networks for AV transport and control

› **Content mobility** – Interact with any source of information found in a control room environment, from virtually anywhere

› **Collaboration** – Replicate and share content on many video walls and desktops, simultaneously

› **4K/UHD capable** – Directly interface with UK/UHD sources and readily distribute, control, and present them on video walls or 4K/UHD displays with 4 inputs

› **Scalable** – Modular, to allow even modest installations to grow over time without system redesign. Easily expand with additional Phoenix nodes and Phoenix Quad-T

› **Secure** – Hardened, network appliance with AES encryption and stringent IP security protocols

› **Simple and powerful** – Easy to install and configure. Simultaneously encode, decode, and display, all from one unit, and access from a PC, tablet, or smartphone
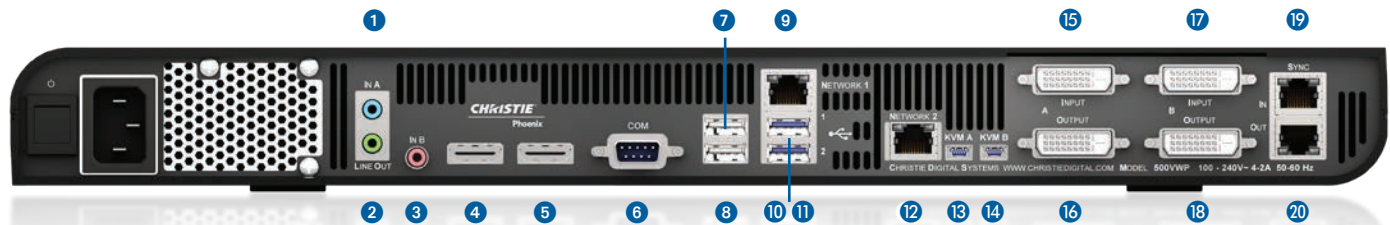
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Technical specifications — Christie Phoenix

Chassis		• 1U form factor • Included rack ears • Optional under table mount • Optional VESA "sandwich" mount
Outputs		• Dual DVI (digital only): Up to 1920 x 1200 resolution per output • Support for bezel compensation • Support for display overlap • Support for custom resolutions
Inputs		• Dual DL-DVI (digital only) • From 640 x 480 to 1920 x 1200 encoded to H.264 • Dual 3.5mm stereo audio: Analog stereo audio encoded to AAC-LC • Dual mini-USB: HID device emulation for soft KVM control of inputs
Network		• Dual Gigabit Ethernet: 1000 Mbps Ethernet, RJ-45 connectors • Support for IGMPv2, IPv4, IPv6, RTSP, RTP/UDP, SRTP/UDP, MPEG2-TS/UDP, HTTP, HTTPS, TCP/IP • HTTPS Encryption: TLS 1.2 protocol, 256-bit key, 2048-bit certificate key • ONVIF camera discovery, ONVIF PTZ camera control • Active Directory – server accessed using secure LDAPS • NERC/CIP Compliant (120-059105-02 and higher)
Control		• Ethernet • Serial RS-232
Encoding		• Two high-definition DVI inputs to L5 H.264 video streams @ 30Hz • Two stereo audio streams • Support for variable bitrate
Decoding		• 12 high definition network video streams @ 30Hz • Includes borders and labeling • Up to 20 Mbps per video stream • Direct support for network cameras
Transcoding		• VNC and RDP streams transcoded to H.264
Power	voltage range	• 100-240 VAC (auto-ranging power supply)
	current	• 4-2A (max)
	power consumption	• 220W (max)
	dissipation	• 750 BTU/hr (max)
Dimensions	size	• (WxHxD) 17.40 x 1.74 x 9.5" (442 x 44 x 241mm)
	weight	• 6.5lbs (2.95kg)
Reliability	MTBF	• >50,000 hours of major modules
	MTTR	• <15 minutes

Regulatory		• CAN/CSA C22.2 No. 60065 • UL 60065 • IEC 60065 emissions • FCC CFR47, Part 15, Subpart B,
		  Class A – unintentional radiators • EN55103-1 Class A audio, video, audio-visual equipment emission;
		  EN55103-2 audio video, audio-visual equipment immunity; EN61000-3-2, EN61000-3-3
		• Directives: (EC) 2011/65/EU (RoHS); 2012/19/EU (WEEE); Regulation (EC) No. 1907/2006 (REACH)
		• Certification marks (check with Christie for latest update): cULus (Canada & US), CE (EU), CCC (China),
		  GoST-R (Russia), KC (Korea), S-Mark (Japan), C-Tick (Australia & New Zealand), Ukraine

Manufacturing location		• Designed, manufactured and tested by Christie Digital Systems USA, Inc.'s facility in Phoenix, Arizona, USA
Warranty		• Limited 2-year parts and labor

① Audio input A	⑤ DisplayPort	⑨ Ethernet 1	⑬ KVM A	⑰ DVI input B
② Audio output	⑥ RS-232	⑩ USB	⑭ KVM B	⑱ DVI output B
③ Audio input B	⑦ USB	⑪ USB	⑮ DVI input A	⑲ Network sync input
④ DisplayPort	⑧ USB	⑫ Ethernet 2	⑯ DVI output A	⑳ Network sync output

For the most current specification information, please visit christiedigital.com

CERTIFIED ISO 9001 QUALITY SYSTEM

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