

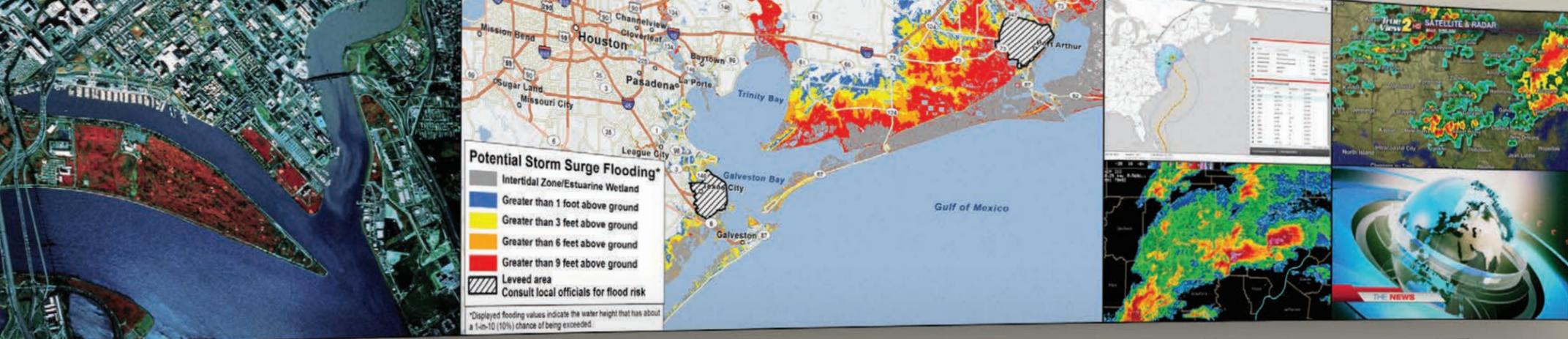
CHRISTIE PHOENIX PLATFORM

Control room operations, redefined

- Emergency response operations
- Security operation centers
- Military command and control
- Cybersecurity monitoring
- Transportation center operations



CHRISTIE®



CONTROL ROOMS REDEFINED

You need a modern control room that enables fast and accurate decision-making, proper asset coordination and deployment, situational awareness for individual operators, and a common operating picture view across multiple teams.

A highly secure, standards-based eco-system, the Christie® Phoenix® platform gives you access and control over your mission-critical control room-based data and display-connected content—securely, from anywhere, at any time—via standard IP network technology.

When you simultaneously make the same information available to multiple users and multiple video wall locations, you dramatically expand the capabilities and effectiveness of a single control room location and provide for distributed operations.

The Christie Phoenix eco-system's modular and distributed architecture provides the flexibility you need for growth, as well as a common environment that allows you share resources, data, costs, operators and more, across multiple disciplines. From building management and physical security, to situational logistics and network and operations monitoring, the Christie Phoenix platform truly allows you to do more with less.



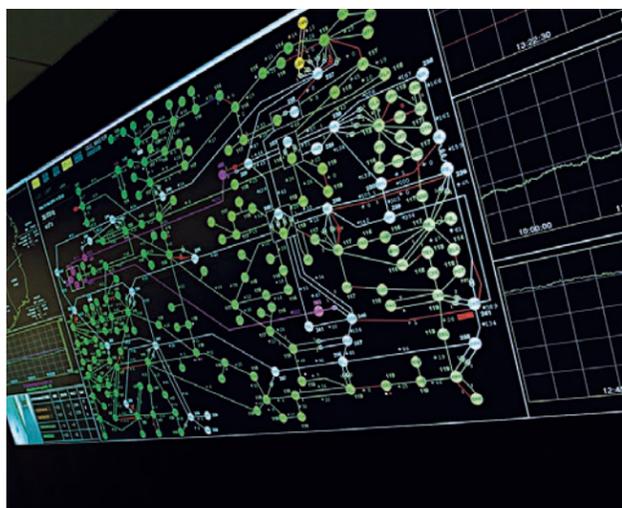
Share, view and interact with data across a distributed organization

TRUE STANDARDS-BASED ECO-SYSTEM

Christie Phoenix opens a broad range of options for the AV designer, embracing the modern, mobile age of communication and breaking through the physical walls of the control room to encompass a global workplace.

The Christie Phoenix platform is uniquely designed to fulfill the requirements of modern control rooms, from small one-person operations to large facilities with thousands of employees. Phoenix is a network-based data distribution system that accesses and controls the wide variety of AV and network sources control rooms use. Based on industry standard protocols, you can output almost any source to your video displays—H.264 IP video streams (IP cameras, IPTV streams, H264 encoders, etc.), Remote Desktop Protocol (RDP), Virtual Network Computing (VNC), virtual application server sessions, hardwired source inputs, and more.

The Christie Phoenix family of network processors gives you seamless access to your audio visual data, and allows you to control it from virtually anywhere, through a single, robust system. Because we developed it specifically for control room applications, its comprehensive tools allow thousands of users to simultaneously view, listen to and interact with any source of information, regardless of their location.



THE PHOENIX PLATFORM CONSISTS OF 3 DEVICES

The number of sources you can access is limited only by the number of sources that you have.

Phoenix Node

A full eco-system, all in a single 1U rack space unit: an encoder, decoder, video wall controller, AV matrix switcher, KVM reach-back and system controller. A single unit is required per LAN environment and can be expanded to support hundreds of systems displays, Phoenix system devices, and source input and windowing requirements.



^ Christie® Phoenix®

Phoenix EP

This device is a scaled-down version of the Phoenix Node (above). We designed this decoder-only device into an OPS module (Open Pluggable Standard) form factor. The EP module helps to expand the Phoenix eco-system directly into certified Christie displays. No video extension technology, valuable rack space or extra power is required.



^ Christie Phoenix EP

Phoenix Quad-T

Increases system scalability by offering 4 encoders in a single unit. With a simple network cable, you can accept 4K/UHD resolution sources and KVM hardwired inputs into the Phoenix ecosystem. The Quad-T's small form-factor and light weight makes it easy to install under a table or desk near a local operator workstation, to get hardwired sources into the Phoenix eco-system.



^ Christie Phoenix Quad-T

UNMATCHED SYSTEM BENEFITS, FEATURES AND EXPANSION

Unmatched in the industry for its ability to provide an incredibly large set of features, proven performance, incredible resiliency, system security, and easy-to-use interfaces, the Christie Phoenix platform delivers a mission-critical solution for your unique control room needs.

Just a few of our system highlights:

Highest system security in the industry

In a data-driven market, internal system security protections are as important as external. Our Phoenix platform is a hardware appliance solution that supports the tightest internal system security requirements and yet doesn't require constant monitoring for system updates. With stringent security and AES encryption, Phoenix can meet IP security compliance.

Highly integrated

Offering two published APIs, the Phoenix platform can be integrated with any third-party control program. You can also directly integrate it with hooks to your video management system and other data applications, so it provides automatic event-based alerts and system processes.

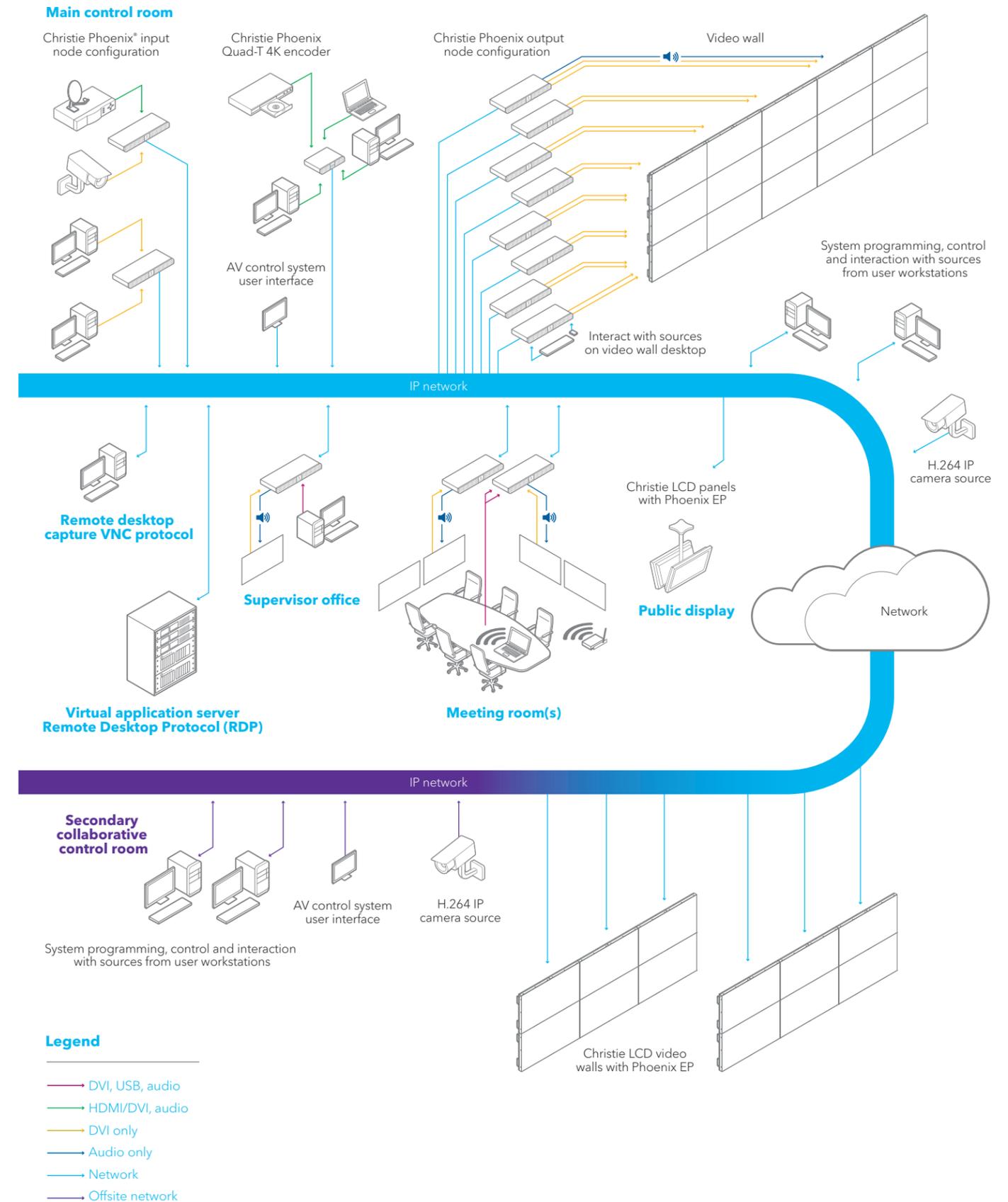
Collaborative

Replicate and share content out to multiple video walls and other displays simultaneously across your organization. And because you can interact with your content via KVM reach-back ability from any operator workstation and access the platform from any location on your network, remote operation is a snap.

Easy-to-learn and easy-to-use

Most day-to-day operators can learn how to create and recall layouts, as well as drag and drop sources and KVM into remote systems in about 15 minutes. Advanced system operators can learn how to create video walls, and add sources, users and treatments within a couple of hours of hands-on training.

Easily access the browser-based Phoenix Quick Control Interface from any web browser, and control the Phoenix platform from any smart phone, tablet, or computer. With Phoenix Desktop Client software, you can quickly create and select video walls, layouts, sources and treatments, for the exact data views you need for fast decision-making.



FEATURES & BENEFITS

Christie® Phoenix® completely redefines the control room, allowing users to access and control information across multiple platforms and from virtually any location. Simple, powerful, network distributed content mobility, redefined. Offering secure control, with scalability for any size of application.

System configuration environment

- › Two to 128 outputs per video wall
- › Multiple video walls
- › Two to thousands of sources
- › Unlimited desktop clients (no licensing)

Configuration and control

- › Simple web-based set up and configuration
- › Distributed: no single point of failure
- › Backup and restore functionality
- › Setup source and default behaviors
- › Full system monitoring, including historical data
- › Network readiness indicator provides visual feedback that the programmed network configuration supports multicast traffic

Network security

- › Trusted for use in critical infrastructure monitoring
- › Strong password management
- › NERC-CIP compliant
- › Encrypted control
- › Network application port management
- › User access and event logging
- › System data encryption and update protection
- › Configuration change and system alerts

Inputs and encoding

- › Capture SL-DVI to 1920 x 1200 and encode to H.264
- › Capture stereo audio with video
- › Support HDCP inputs
- › Support soft KVM over USB HID connection

Outputs and decoding

- › Define and set up video walls supporting numerous source windows and drag and drop configuration
- › Support for:
 - › Bezel compensation
 - › Display overlap for blended applications
 - › Display rotation
 - › 12 high definition decodes per Christie Phoenix node
 - › Window borders and labeling
 - › Background image

Third-party control, API and protocols

- › Full integration API
- › Simplified CLI protocol for control systems and touch panels
- › Third-party control system driver
- › Integrated event-based control with video management system

Software

- › Powerful, intuitive interface
 - › Video walls
 - › Sources
 - › Favorites
 - › Layouts
 - › Users
- › Organization tools for efficiently managing, accessing and searching thousands of sources
- › Video wall simulator
 - › Advanced window management tools
 - › Interactive mode with soft KVM support
 - › Layout management
 - › Window borders and title support
- › Christie Phoenix viewer (local display of video)
 - › Soft KVM
 - › Audio-only playback
- › Messaging platform with content sharing
- › Login and authentication saved user state
- › Managed user access to displays and sources
- › Quick Control - Enables users to select layouts and change sources quickly from PCs and smart devices
- › Unique layouts for each display array



^ Christie Phoenix



^ Christie Phoenix Quad-T



^ Christie Phoenix EP

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

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