

# Christie Video Wall Solutions



NASDAQ OMX Group, Inc. MarketSite video wall – New York, NY

Providing the world's leading digital video wall display solutions

- Broadcast
- Emergency operations
- Government
- Process control
- Security and surveillance
- Telecommunications
- Transportation
- Utilities and power



▲ Canada Post National Control Center, Ottawa, ON

◀ AT&T Global Network Operations Center – Bedminster, NJ

## Experience you can trust

Monitoring applications all require similar elements of operation – high-performance, 24/7 reliability and purpose built solutions that are versatile, easy to maintain and provide superior long life performance at a low cost of operation. Christie® brings more than 30 years experience to the table and state of the art technology, to help you select the best solution for your mission critical applications.

Christie was first to market a 3-chip DLP® video wall solution that provides options for larger screen sizes using fewer projectors

First to offer an LED solution for command and control environments using ultra-high resolution DLP technology with a zero maintenance design, virtually eliminating cost of ownership expenses

With an unrivalled 60,000 hour LED illumination lifetime rating, Christie has proven that our 24/7 cubes have the highest reliability in the AV industry

Our controllers are manufactured in-house and offer extreme capability and flexibility to manage and display all the information you need to see, when and how you need to see it

Our solution-oriented approach allows us to utilize a variety of high-performance products from Christie as well as from qualified third-party suppliers

Christie solutions are available in both pre-configured and custom display options

We are your single source for video wall display products, setting industry benchmarks for quality and reliability.

Our large network of dealers and integrators, and our vast experience working with end users, has given us deep understanding of the issues and factors involved in the development of effective digital display solutions for 24/7, mission critical control rooms.

Our experience has also taught us that relationships are every bit as important as the technical factors. That's why you can rely on Christie to deliver solutions that make sense for your application and achieve your objective.

## Display solutions

Many monitoring applications require that a large amount of information be displayed for use by many users simultaneously, and it is critical that all information is legible and accurate. Most information walls are comprised of an array of displays that are seamlessly tiled together.

Christie offers both standard size and custom size stackable display cubes, screens and systems ranging in several individual screen sizes from 50" diagonal to 100" diagonal with various resolutions and brightness. Our build-to-order solutions and custom configurations allow for the best match of size, resolution and brightness requirements for your application, rather than simply offering a set of pre-defined boxed solutions.

### Display solution options

Both standard size and custom size stackable display cubes, screens and systems ranging in several individual screen sizes from 50" diagonal to 100" diagonal

DLP display technologies in a variety of resolutions ranging from XGA through to WUXGA

Both LED and lamp based illumination technologies

1mm nominal gaps between images, screen to screen

Discrete LED and lamp base light engines/kits for retrofitting existing display wall systems or for 3rd party custom displays

Christie MicroTiles® for very bright video wall displays with ultra high pixel density and performance

Narrow bezel LCD flat panel displays for video wall applications

## Content display and management solutions

Managing content and information across multiple screens with ease and flexibility requires a high performing video wall controller or video processor. Christie provides a range of solutions to best match any video wall application. Our systems allow the flexibility of displaying content from various source types at extremely high resolution across multiple displays. Comprehensive management through Christie MASTERSuite™ software – a feature-rich, multi-tiered, easy to setup and use application suite – provides immediate and convenient access to any source of visual information found in a control room. Hundreds of sources may be displayed simultaneously and freely managed. Sources may be analog or digital type, RGB or video, networked clients, or applications running on the controller or via the network.

All of our solutions are pre-configured and factory tested/verified to meet the exact input and output requirements of your system. If a system later expands, or the requirements change, it is easy to make field changes and upgrades when needed.

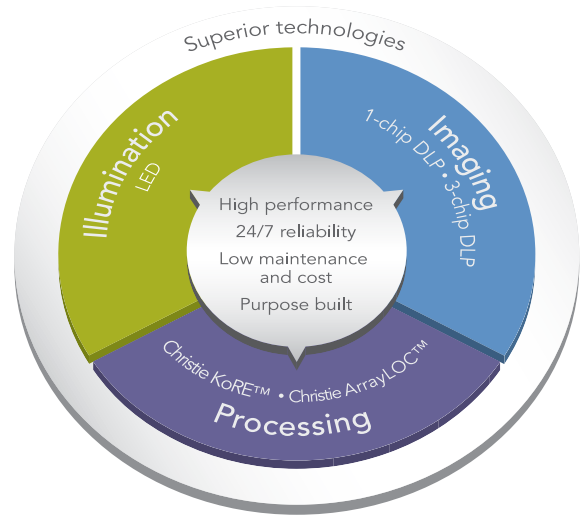
### Controller options

TVC Series controllers

Christie Vista Spyder video processors



▲ Massachusetts Bay Transportation Authority, Boston, MA



## Upgrading existing video wall systems

Christie offers a series of upgrade kits and design services to facilitate field upgrading of older systems so that your system can utilize the latest projection and display technologies. Upgrading is an excellent alternative to complete video wall replacement – it can not only save on costs, but also reduce the time and disruption involved with system replacement. In many cases existing cubes, structures and screens can remain intact and only the projection engine is replaced. Upgrading also promotes reuse of existing structure and components, giving you a greener solution overall. Christie’s experience of providing upgrade support is unmatched in the industry.



▲ Federal Police Intelligence Center of the Public Security Secretariat, Mexico



▲ Christie provides the world’s leading digital video wall display solutions

## Innovation and technology

Innovation is standard practice for Christie. We were the very first to introduce and deliver Christie Entero LED illuminated SXGA+ and WUXGA cube systems to the video wall industry. We introduced Christie MicroTiles – a brand new concept in LED illuminated video walls for use beyond traditional monitoring solution applications such as signage, advertising and messaging. Christie continues to bring new technologies to the industry with a wide range of superior products and solutions.

Christie technology	Benefit
High resolution and DLP technology	Christie standardizes on both 1-chip and 3-chip DLP display technology
Advanced illumination systems	High brightness LED illumination
Advanced cooling systems	Entero Series offers sealed, water-filled, metal heat pipe technology with redundant cooling fans and automatic temperature regulation for consistent, reliable operation and performance
High mean time between failure (MTBF)	Gives you confidence in long-term reliability
Zero maintenance designs	LED-based Entero Series offers >60,000 hours LED life with no consumables, or expected on-going maintenance
Modularity with low mean time to repair (MTTR)	Minimizes down time, enables easier servicing and reduces time and expense to service
Exclusive KoRE processing	Most capable, full-featured projection processing system with advanced color management to ensure accurate color space control for best display matching
Automatic color and brightness balancing	Entero Series and MicroTiles continuously monitor color and brightness in real-time for consistent, uniform images across the tiled array
Tiling/scaling	Entero Series and MicroTiles tiling/scaling function enables spanning a single input across multiple displays without use of an external video controller
Picture-in-Picture	Displays multiple inputs simultaneously on the same display device
Low latency	For real-time display of information and content
Full control	Controlled by remote keypad or via computer over Ethernet or serial network (RS-232)
Expandability	Multiple (and redundant) digital and analog inputs are standard. Expandability options for additional input sources and types.
System and health monitoring	Warnings and messages on local diagnostic displays or broadcast via Ethernet or RS-232 as well as email notifications
Virtually seamless	1mm nominal gap between screens
Viewability	Multiple screen options to choose from for best off-axis viewability
Front/alternate access for servicing	Christie MicroTiles are only 10" deep, with front access via light-weight screen removal; moveable wall systems allow the wall to slide forward without disruption at the front of the display
Environmental sensitivity	LED illuminated video wall systems have no consumables, hazardous gases or chemicals



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ISO 9001  
ISO 14001

Kitchener, Ontario



For the most current specification information, please visit [www.christiedigital.com](http://www.christiedigital.com)



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