



# Control Room Solutions

INTEGRATED SYSTEM



**Clarity Integrated Systems**  
Proven, Reliable Video Wall Solutions  
for Command and Control Environments



France Telecom - France

## When the mission is critical

Your work depends on making split-second decisions based on what you see. We call these mission-critical moments, and they're why you need the most advanced, reliable digital display technologies in your control room. .

### The choice is clear

Leaders of cutting-edge command and control operations turn to Clarity digital display products. And for good reason. Clarity products are proven reliable in thousands of installations worldwide. With superior image quality. A choice of display types and sizes. A legacy of research and development innovation that relentlessly searches for the best new solutions. And the backing of Planar Systems, one of the largest advanced-display technology and digital signage system providers in the world.

### The proof is on display

We've been designing, installing and servicing integrated digital display systems for command and control environments worldwide for more than a decade. Thousands of installations around the world demonstrate our proven track record. The logic is clear: If we can satisfy the quality, reliability, compatibility and space needs of the world's toughest command and control centers, we can do it for you.



Madrid Subway - Spain



Nanjing Olympic Center - China

# Integrated Systems: Trust the system

When safety or security is at stake, you want to know the system works. Clarity Integrated Systems take the guesswork out of component setup and configuration. Each component is tested to ensure compatibility throughout the system. The result: an integrated whole that delivers a benefit that's hard to quantify yet absolutely essential: confidence.

## Unparalleled redundancy: Peace of mind

Engineers have long known the key to safe, secure and reliable operation is redundancy: the duplication of critical components in order to increase reliability of the system. Clarity Integrated Systems allow the display of mission-critical applications to be easily backed up using two routing channels. This level of redundancy and security offers control room operators unparalleled peace of mind.

IndiSys, our patented network architecture, also creates a "smart link" capable of interactive dialogue and data exchange with the control system. Through IndiSys, this information can be shared throughout the entire control room, an important feature for life-critical supervision centers such as those focused on fire, police or other emergency response measures.

## Easy expandability: Ready to grow

Our Integrated System approach offers easily expandable configurations. For example, you can effortlessly loop the image flow connected to the display wall through to other display units without the addition of more image processors. The IndiSys capability can be extended at no extra cost. And new input sources can also enter the system without challenging the architecture. IndiSys enables automated procedures such as local or remote access to Start, Stop or Modify actions; implementation of automated on-event zoom-ins or window enlarging; and automatic distribution of system diagnostics or alarms via email. A powerful scheduler makes automatically scheduling critical procedures without human intervention easy.

## The Solution: Deep integration

With our fully integrated display solutions, control room operations can reach a new level of sophistication, enabling easy management of any existing input source – from CCTV cameras and SCADA Software applications, to 3-D renderings and high-resolution satellite imagery. The deep integration of image processors, optics, screen technology, control software and digital image transportation networks supplies the glue that pulls the entire integrated system together.

This seamless integration starts with the IndiSys network architecture. The IndiSys processing system digitizes all input sources and, via a very high-speed dedicated network, transports them to the display device using high-bandwidth connections rather than Ethernet LAN. IndiSys also digitizes incoming data flows in real-time and merges the data via image hubs. These hubs then transport the various images to the display wall in multi-window configurations developed using our proprietary Com.Base software.

Our exclusive architecture creates a reliable and cost effective solution. It allows control room operators in any industry – traffic/transportation, security, utilities, telecommunications – to easily and quickly display and manipulate multiple sources as image windows on a larger video or data wall.



RTA Transports – Australia



Intelsat – USA

# The Clarity Integrated System

An integrated approach enables full control of a system from start to finish. Our knowledgeable and trained partners can manage the design, integration, installation and maintenance of an Integrated System solution that includes the following elements.

## Clarity digital displays

Clarity digital displays deliver optimum performance for command and control settings. Our innovative technology provides the highest image quality available on screens up to 84 inches. Our reliability features ensure continuous operation in mission-critical applications. The result is a large-scale display that gives control room operators the power to monitor their world and quickly make mission-critical decisions.

## Clarity image processors

Clarity IndiSys and PLI image processors bring new levels of performance to control room display walls. Our fully integrated visual network offers the versatility to handle any type of input source, regardless of format, resolution or frequency. The intelligent design automatically analyzes and digitizes all input signals in real-time. And scalability features enable managing an unlimited number of input sources without the restrictions of traditional systems.

## Image gateways

Video-monitoring applications in security, surveillance, traffic and emergency control centers need reliable image-processing capabilities. The image gateway system component handles acquisition and conversion of any analog sources – RGB or video – to digital DVI in demanding control room environments.

## Image hubs

High-performance image hubs convert and distribute up to four digital signals to the video wall. You can also cascade several image hubs together for a virtually unlimited number of simultaneous source processors.

## Com.Base control software

The Com.Base software suite is an advanced management tool designed for our Integrated System solutions. Its unique architecture enables robust integration and powerful control in any mission-critical environment.

## For more information

To learn more about a Clarity Integrated System for your control room, call us at 503-570-0700 or visit us on the web at [www.planarcontrolroom.com](http://www.planarcontrolroom.com).