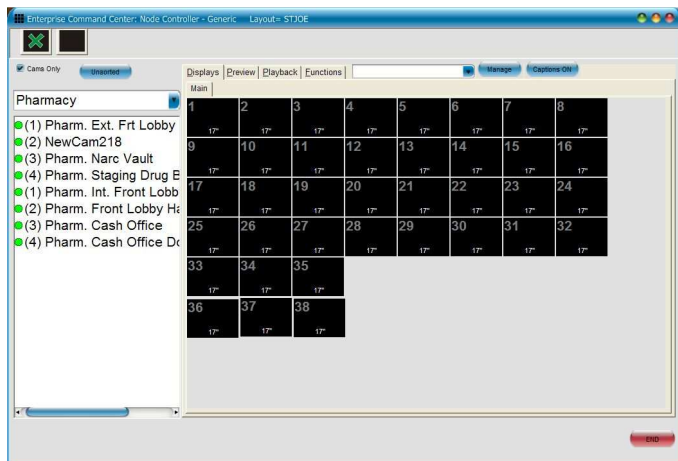




Digital Security Systems

# Enterprise Command Center

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**Enterprise Command Center (C2)** is a software based video distribution application. Utilizing a visual user interface, cameras and monitors are 'connected' with mouse clicks or a tap of a touchscreen panel. Live and pre-recorded video is instantly displayed on the destination monitor fullscreen or in a display matrix. Additionally, maps, animation, movie clips and other user content can be 'pushed' to the target monitors. An alarm log allows system wide alerts to be posted with console alerting. Compatible card access systems can also post messages to the alert logs and even punch up video autonomously from events such as 'forced entry', access denied or most any other system message.

## How it works

The C2 system consists of a Node Controller and one or more Node clients. Each can be loaded on any standard PC running current Microsoft Windows operating systems. The node client reads camera and user configuration data. Upon successful login, the node controller sends out messages to all Node clients and establishes a connection to them. A user sensitive camera list is provided as are the visual monitor arrangements. The user can click on a camera, and then click on the target monitor and the message is sent over IP to the client for display. Each display can show a single full screen image, four quadrant images, or any combination thereof. 'Picture in Picture' is also possible..

## Leverages standard PC hardware

Most legacy PC hardware will work with the C2 environment. A standard PC CPU with one or more cores will provide video for multiple cameras. Single video monitor and multi-monitor support is built in. Up to 64 monitors can be configured from a single PC host with the proper video cards. Multiple PCs can be used to allow a video wall matrix of unlimited dimensions. Dedicated PC hardware is not required, but recommended. Most any PC compatible monitor, television or projection display system can be utilized.

## Replaces the Analog Video Matrix

The C2 interface can be used for surveillance room video walls similar to the ones found in large scale casino environments. C2 video walls have significant advantages over these analog 'switched' hardware systems;

- Legacy analog video sources are significantly sharper and more detailed.
- Megapixel images are sharper and more defined. Multi-Megapixel streams can display every pixel with low cost, high resolution monitors.
- Each display Monitor can be 'virtualized' into multiple sub-monitors for additional display capacity.



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- Camera and Monitor numbers are obsolete. Point and shoot functions prevail.
- Mixed content multimedia can be displayed.
- Guard touring and external control of display by legacy devices.
- Expandable without limits; merely add PCs and Monitors
- Reduces hardware footprint and BTU thermal loading significantly.
- Cost effective solution can be fully supported by in house IT staff.

## Robust API

The C2 interface is driven by IP messages. These messages can be UDP (multicast) and standard TCP/IP (unicast) for total compatibility with everything IP. Messages are sent and received over user definable ports and are written in plain english. Users can even send commands from the address line of any web browser for all major functions.

## Customizable Interfaces

The C2 system is an open architecture that can be tied to existing competing NVR systems. The design allows for external application launching to provide automation to meet users needs. Additionally, the Node controller can be replaced by 100% custom user interfaces. The 'Hamburger Stand' interface below is a example of a Node Controller replacement that can be used without any reference to text or numbers. Touch a picture of a camera and then touch a picture of a monitor on the loading dock... and the system does the rest. JDS provides this sample for those wishing to build a user interface. JDS also can provide complete customization to any components in the C2 system.

## Build to Order Design

C2 is a complete off the shelf package, but has been designed to be modified to meet users specific needs. A few examples of 'additonal functionality' are;

- Connect to and display public traffic cams from existing web pages.
- I-Phone remote control of C2 functions.
- IR remote control of C2 functions.
- Public monitor Kiosks displaying news, weather and special announcements
- Trade show and Bulletin board visuals with rotating video, flashing messages and content.

## Way of the future

IP based communication is revolutionizing many industries. Security is one experiencing a wholesale migration to IP topology. JDS has recognized this with the introduction of C2 as a pure IP messaging mechanisim. It has been designed from the ground up to be compatible with current JDS offerings as well as future products. Many new capabilities will be leveraged as the next generation of Softsite products is introduced.

