



matriXpro Video Wall Controller

www.deltadisplay.eu
www.deltaww.com



matriXpro

The reality of Command and Control Center is permeated by events and occurrences that carry with them an intense volume of data, which require the combined efforts of many individuals from different fields of action for their solution. Environments equipped with large display panels, whether in a Control Room or in a Meeting Room, present unique technical and operational challenges, which require the use of specialized software and equipment that enable users to extract relevant data and information for the operation or to deliver quality content to their final customers.

Given the complexity and criticality of such tasks, it is extremely important to use a technology that provides a collaborative infrastructure that is flexible enough to support operators in solving all kinds of problems. Vivitek, a brand of Delta, offers with its NovoConnect Solutions a collaboration platform for Command and Control Centers, Meeting rooms and other mission critical facilities. Vivitek provides the software and hardware tools to support flawless communication for such applications.

DeltaSmart Solutions, Technology and services

The matriXpro video wall controller technologies deliver the performance and features that are required by demanding professional applications. The matriXpro system incorporates a broad range of sophisticated professional applications, tested by leading Server- and Workstation manufacturers, and backed by a global team of support specialists.

This gives you the peace of mind to manage and control your sources and display the required information on your video wall. This can be done locally or from any other location (free seating). Whether you're developing revolutionary products or telling spectacularly vivid visual stories, matriXpro gives you the performance to do it brilliantly.



Technology

Professional video wall displays and a unique and innovative image management system specially designed for critical environments that demand high availability, reliability and resiliency.



Security

Secure, multi-user platform based on the most stringent security procedures and high levels of encryption, whether in a local network or in remote environments.



Collaboration

Quick and efficient software tool for data handing in content visualization and distribution panels for users allocated in a Command Center, field teams or commercial display panels.

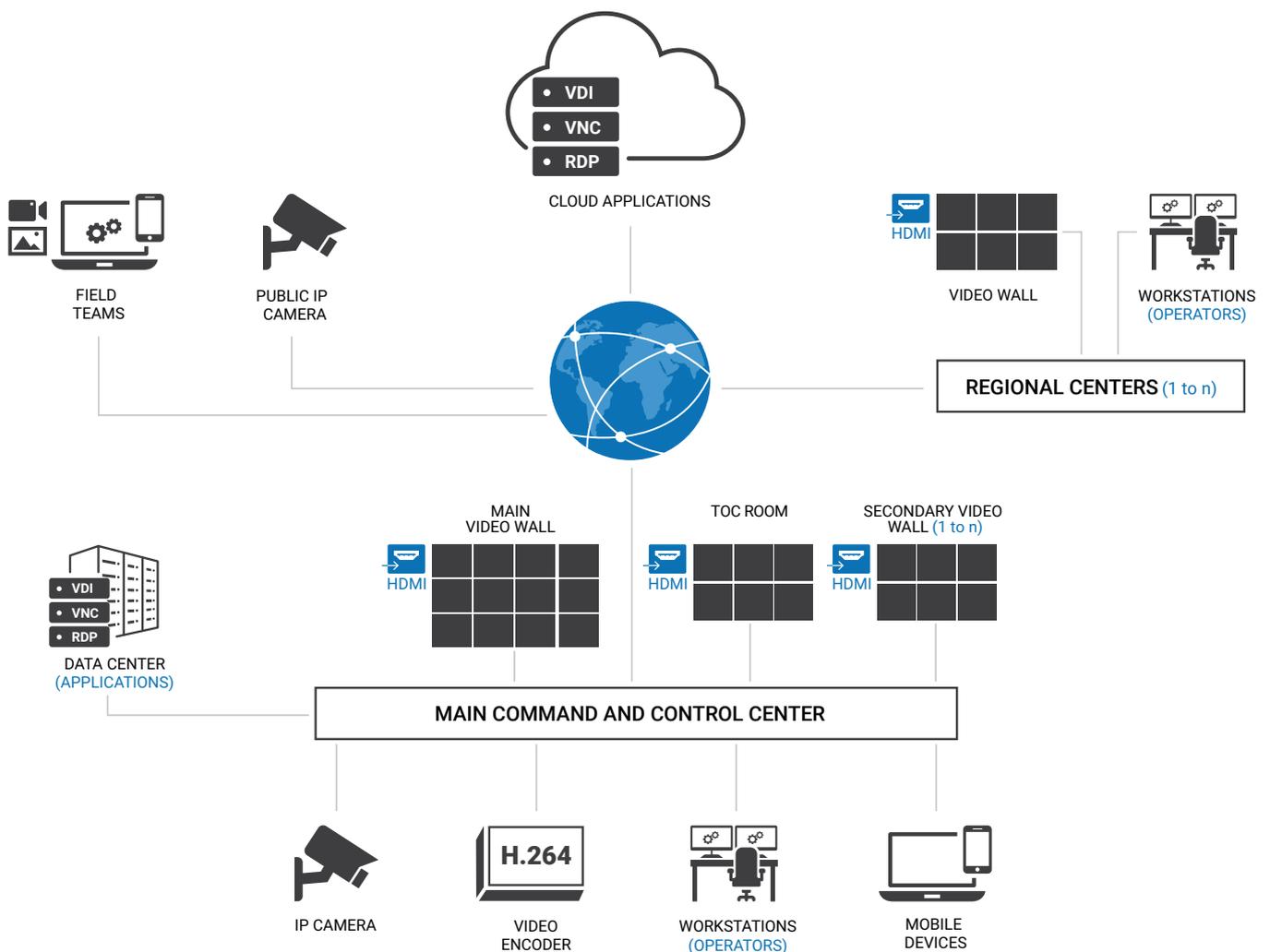


Mobility

Features that allow collaboration between multiple operators and teams physically distributed in different locations and that work on different aspects of a given event

matriXpro is an intelligent CPU/GPU based video wall controller system. It optimises the performance of the computer and the graphic card and is therefore a smart and trendsetting video wall management software solution.

matriXpro Structure OverView:



Hard and Software – System Configuration:



BtO – Server - Hardware



BtO - WorkStation – Hardware

Features



Native integration with Virtual Desktop Infrastructure (VDI)



Native Terminal Service over RDP



Workstation remote control (VNC)



Native integration with industry leaders' VMS



Integrated Videoconferencing Solution - Multi Vis Conference



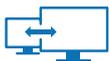
Video streaming decoding (HLS/RTSP/RTP)



Maps application (GIS) with local rendering



Webview - Integrated Web Browser



Screen and applications sharing



HDMI physical input



Media Server (Videos, Images and PDFs)



Layouts management



Compatible with Windows, Linux, Mac, iOS and Android operating systems



100% web based User Interface



Distributed or centralized hardware architecture



iOS and Android User Interface



Single Workspace for entire Video Wall or standalone displays



Data Encryption and use of certificates for authentication



Desktop Workspace Splitter



Advanced user and group management (LDAP support)



Smart Pointer - Multiple simultaneous mice on the video wall



3rd party systems API integration



On-screen context menu



Audio server for integration with receiver/amplifier



Simple drag&drop operation



Support apps (Clock, Weather Forecast)

“Easy” Product and System Integration

- Compatible with Windows, Linux and Mac Operating Systems
- Configure it on your existing IP network
- Easily scale up and add more devices (Cluster – Technology)



Video Conference Solution



Collaboration Integration via Vivitek:

- NovoPro
- NovoEnterprise
- LauncherPlus - Solution



3rd Hardware Encoder Integration

**360°
Integration**

Capture Overlay Inputs

Various cards providing inputs and dedicated high-density H.264 encoding/decoding boards for insertion into Server- and Workstations and backplanes optimized for:



High resolution capture via HDMI ports (up to 4 UHD/4K)

Encode/Decode of H.264 IP streams. Encode of entire video wall, portions of video wall or sources for streaming and/or recording of video wall. Use in computers sharing content with each other and with video wall systems via high-quality and low bit rate streaming over IP.



Display Solutions

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