Delta Digital Video is a leading supplier of video streaming products for mission critical operations such as airborne intelligence, surveillance, and reconnaissance (ISR) and flight test applications. In addition to our rugged video encoder products, we offer reliable solutions for video distribution networks.

Utilizing the same high-performance media processing architecture as our rugged units, Delta Digital Video's video distribution product line provides the high quality and low latency performance required to ensure the timely delivery of full motion video for real-time decision-making and post-mission analysis. Providing for enterprise network video streaming, we offer stand-alone and rackmount products.

Video Distribution Systems

The Model 9600 Series Video Distribution Systems (VDS) are modular products that provide scalability for video distribution applications. The Model 9600 and Model 9610 VDS and companion video encoder and decoder modules are designed to provide an affordable solution for encoding, streaming, and decoding diverse video formats.

MD9600 (2U)

- *Model 9600 (2U) can support up to 15 channels*
- *Model 9610 (1U) can support up to 8 channels*

MD9610 (1U)

Each chassis features a Switch/Controller module that provides a single connection for transport stream inputs and outputs, channel configuration, and status. The module uses a Small Form-factor Pluggable (SFP) transceiver to support copper or fiber Ethernet connections. The integrated switch reduces, or saves, the expense of an external switch, while also using less space and power. A switched Ethernet interface is connected to all channels via the backplane to the Switch/Controller module. IRIG-B time is distributed across the backplane to permit time stamping of each encoder channel. Audio can be distributed from a selected channel and applied to all other encoder channels. An optional recorder module provides for debrief and archiving. The VDS can be configured to provide bussed auxiliary or redundant power.

Video Distribution System Modules

Our encoder and decoder modules provide a practical, cost-effective means to add digital, High Definition (HD) or legacy Standard Definition (SD) sensors to new or existing IP networks. The modules can be combined to support video-over-IP applications with diverse video sources.

- *HD/SD-SDI, DVI/VESA, Composite Versions*
- *Real-time, Low-latency, Support to 1080p60*
- *Standards-based, H.264 Algorithm*
- *H.265/HEVC Coming Soon*

VHD963   *VHD964*   *VHD965*   *VHD966*

Video Encoders & Decoders

Our compact and scalable Model 4000 Series commercial / industrial Video Encoders ensure continuous operation in the most difficult environments and are ideal for any Video-over-IP application. Our encoders can be easily integrated into any network and operate with SDI, Composite, HDMI, RGsB, and RGBHV video formats. Our Decoders are specifically designed for very low latency applications.

MD4480D & MD4480E

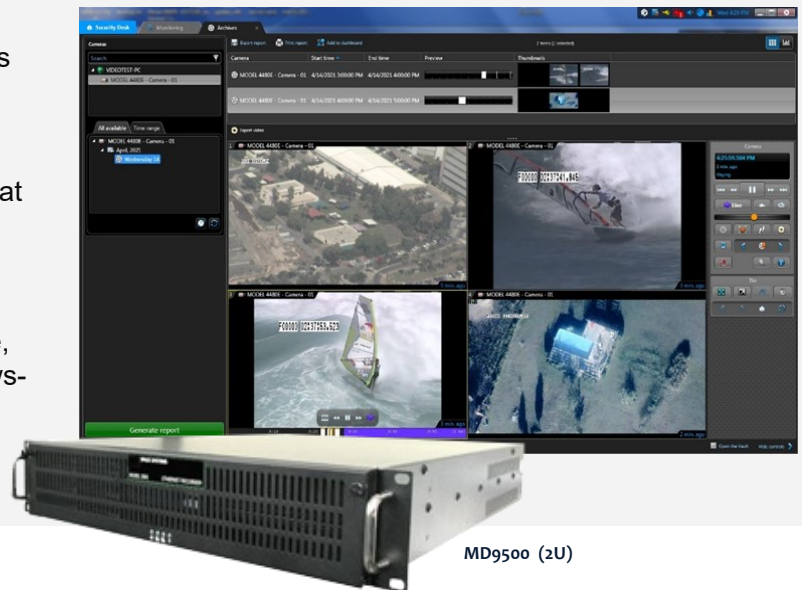## Video Management Software

Genetec's Security Center Omnicast™ is an IP video management solution (VMS). This scalable system provides support for small, medium, and large sensor deployments, providing real-time, debrief, and archiving of mission critical video. The system seamlessly integrates with Delta Digital Video's encoders providing "discovery" of our devices so that they can be configured and their live streams viewed within this user-friendly software application.

Users can configure the encoder's video and compression parameters, such as brightness, contrast, bitrate, GOP size, and frame rate through the software. The VMS is a Windows-based application compatible with COTS computers and is also available as a turn-key system (9500 Series Video Management System).

MD9500 (2U)

Typical Video Distribution Application

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