



Mission Critical

Video Compression, Recording, and Scan Conversion Products

for Intelligence, Surveillance, and Reconnaissance (ISR), Flight Test, Border Security, Training & Simulation, and Distance Learning

MISB COMPLIANT SMALL SWAP H.264/H.265 ENCODING LOW LATENCY MIL QUALIFIED HIGH-QUALITY



High performance Video Encoding Enables Real-time Transmission For TODAY'S ADVANCED SENSOR Systems

Delta Digital Video has earned a reputation for delivering innovative, state-of-the-art solutions for digital video applications. Delta Digital Video remains at the forefront of advancing video compression technology to enable real-time delivery of high-quality, full motion video and data for critical missions and flight test.

RUGGED VIDEO ENCODERS

Designed for airborne, ground-mobile, and shipboard environments, our highly reliable Rugged Video Encoders compress and multiplex sensor video, audio, and metadata for real-time, low latency transmission to remote ground stations and downstream processing, exploitation, and dissemination (PED) systems.

- Easily integrated on manned and unmanned platforms supporting U.S. Air Force, Army and Navy programs
- MISB/STANAG/JITC and MIL-STD-810/DO-160/MIL-STD-461/ MIL-STD-704 compliant
- Support for synchronous/asynchronous KLV metadata and Cursor-on-Target (CoT) and can be configured to convert sensor telemetry into KLV encoded metadata
- Support for single, dual, or multi-channel, HD and SD video formats
- H.265/HEVC and H.264/AVC video compression algorithms



Model 7840R

Supporting
New Zealand P-3
Orion Patrol Fleet
Upgrade



Model 6880R



Model 7805R



Model VPX720

VIDEO ENCODERS & DECODERS

Built on the same architecture as our highly successful Rugged Encoders, our commercial/industrial Video Encoders ensure continuous operation in even the most difficult environments. These encoders 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. Small and compact, the 4000 Series Video Encoders are scalable and affordable.

Delta Digital Video's Video Decoders are companion devices to our encoders and are designed specifically for low latency applications. These products also display decoded video for man-in-the-loop applications.

- Design is based on high-performance System-on-Chip (SoC), providing high-quality, low latency transmission for any remote monitoring application
- Available in OEM module, rack mount or half-rack mount configurations
- Flexible features to optimize video performance at any bandwidth
- H.265/HEVC and H.264/AVC video compression algorithms
- Easily integrated into any network

Included
in Royal Australian
Navy ANZAC Class
Frigates



Model 4480E/D



Model 6850



Model 7841

VIDEO DISTRIBUTION SYSTEMS

The 9600 Series Video Distribution System (VDS) is a modular product that provides scalability for video distribution applications. The 9600 Series VDS and its companion video encoder and decoder modules are designed to provide a durable, cost-effective solution for encoding, transmitting, and decoding diverse video formats such as those found in ISR aircraft, ground stations, test ranges, operations centers, and classrooms.

- Compatible with 4000 Series Encoder/Decoder and competitive products
- Supported video formats: HD/SD-SDI / Composite / RGsB / RGBHV / HDMI
- The 9600 Series VDS is available in 1U (9610) and 2U (9600)
- Support for up to 15 channels of encoders and/or decoders

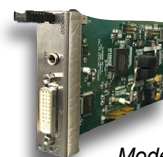


Model 9610

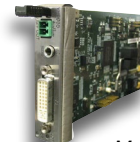
Included
in Surface Navy
Combat System
NPS MOD



Model 9600



Model VHD966



Model VHE965

VIDEO RECORDING / MANAGEMENT SYSTEM

Delta Digital Video's 9500 Series Video Management System is built around field-proven recording technology from our sister division, Ampex Data Systems, to deliver reliable recording and playback of streaming video. This scalable server, combined with COTS Video Management Software (VMS), is an excellent solution for managing both small and large video networks.

- Supports 10GBase-T and 1000Base-T Ethernet
- Support for multiple COTS VMS solutions
- Available in 2U rackmount chassis



Model 9500

VIDEO-TO-VIDEO SCAN CONVERTERS

Delta Digital Video's Video Scan Converter technology allows for the conversion between video signal formats in order to facilitate display or recording. Using an advanced scaling engine, multi-tap filtering, and horizontal and vertical interpolation, these products provide high-quality conversion to/from RS-343, RS-170, PAL, HD, SD and xVGA video formats.

- OEM modules, rackmount, rugged, and custom packages available
- Single and multi-channel units are available
- Legacy RS-343 formats supported



Model VSC/890H

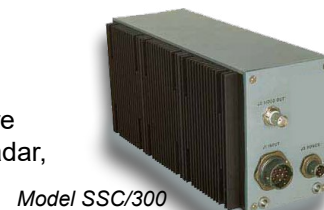


Model VTV/875R

STROKE-TO-RASTER SCAN CONVERTERS

Delta Digital Video's SSC family of Stroke-to-Raster Scan Converters provide for the display, recording, and transmission of stroke video on standard COTS equipment. These products are compatible with most XYZ vector outputs generated by random deflection devices, such as radar, sonar, HUD or spectrum analyzer.

- Superior filtering techniques, high-resolution sampling, and an advanced scaling engine offers high-quality conversion of any stroke device
- Some units provide for mixing of stroke with other video inputs
- Flexible video output formats



Model SSC/300



Model VSC/900

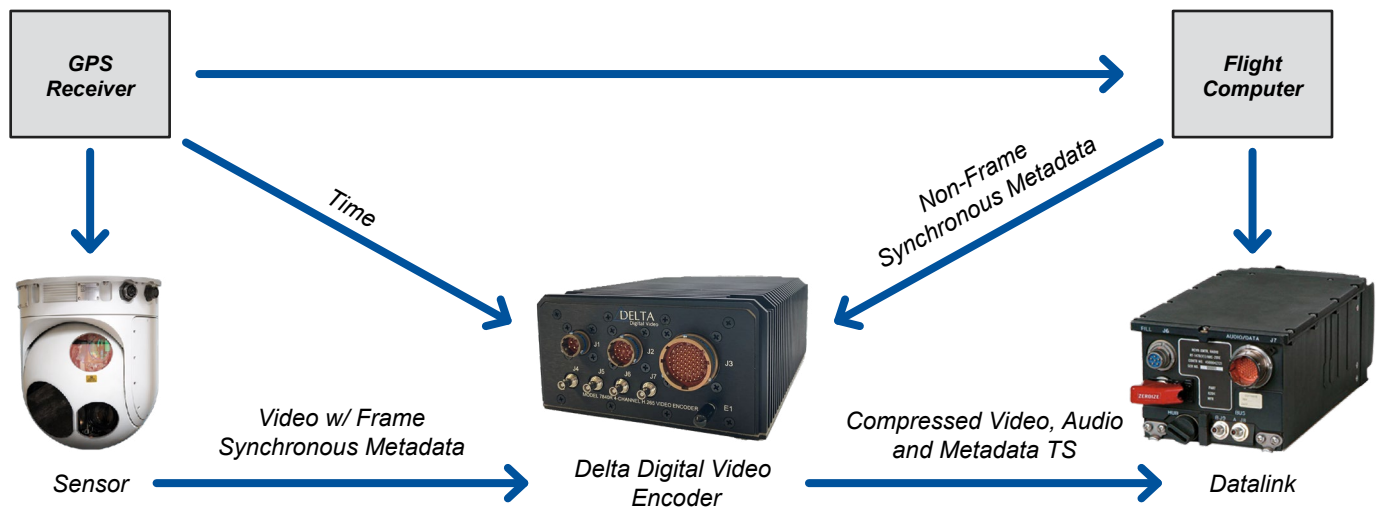
Supporting
LMCO eCASS
Program

Delta Digital Video's team of expert engineers will work with you to develop customized products to meet the requirements of specialized applications. Contact us to learn how we can assist you in reaching your goals.

TYPICAL UAV VIDEO DOWNLINK CONFIGURATION



TYPICAL UAV ENCODER CONFIGURATION



DESIGNED AND BUILT IN THE USA
USED AND SUPPORTED WORLDWIDE

DELTA
Digital Video

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