DELTA
Digital Video

Mission Critical Video Streaming and Scan Conversion Products for Intelligence, Surveillance, and Reconnaissance (ISR), Flight Test, Border Security, and Training & Simulation

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

DELTADIGITALVIDEO.COM | DDV@DELTA-INFO.COM | (215) 657-5270
A DELTA INFORMATION SYSTEMS COMPANY

RUGGED VIDEO ENCODERS

Designed for airborne, ground-mobile, shipboard, and other extreme 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 video systems, with support for SD and HD video formats to 4K resolution
- H.265/HEVC and H.264/AVC video compression algorithms

Model 7840R

AUVSI XCELLENCE AWARD FINALIST

Model 6880R

Model 7805R

PROGRAM SUPPORT
New Zealand
P-3 Orion Patrol Fleet Upgrade

Model 7825R

NETWORKED VIDEO DISTRIBUTION SOLUTIONS

Built on the same architectures as our highly successful Rugged Encoders, our commercial/industrial Video Encoders and Decoders ensure continuous operation in even the most difficult environments. These units can be easily integrated into any network.

Model 9610

Model 9600

Delta's video encoders and decoders have support for various video input formats and support SRT/RIST streaming protocols. Compact and rugged, Delta's 4000 and 5000 Series Video Encoders and Decoders are practical solutions for fixed and mobile remote monitoring applications.

SELECTED FOR
U.S. Navy
Surface Navy Combat System NPS MOD

Model VHD983

Model VHE985

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.

Model 5480E/D

- Design is based on high-performance System-on-Chip (SoC), providing high-quality, low latency video transmission for any remote monitoring application
- Easily integrated into any network
- Available in standalone, OEM module, and rack mount configurations
- Flexible features to optimize video performance at any bandwidth
- H.265/HEVC and H.264/AVC video compression algorithms (Optional JPEG-XS)
- Standards-based ensuring compatibility with new and existing video networks and competitor's products
- Supported video formats: 3G/HD/SD-SDI / Composite / RGsB / RGBHV / HDMI
- The 9600 Series VDS is available in 1U (9610) and 2U (9600)
- Single, dual, and multi-channel (up to 30 Channels) configurations

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 for mission critical applications.

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

STROKE-TO-RASTER SCAN CONVERTERS

Delta Digital Video's 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 VSC/900

PROGRAM SUPPORT
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

Unmanned Vehicle w/ Delta Digital Video Encoder

Rover

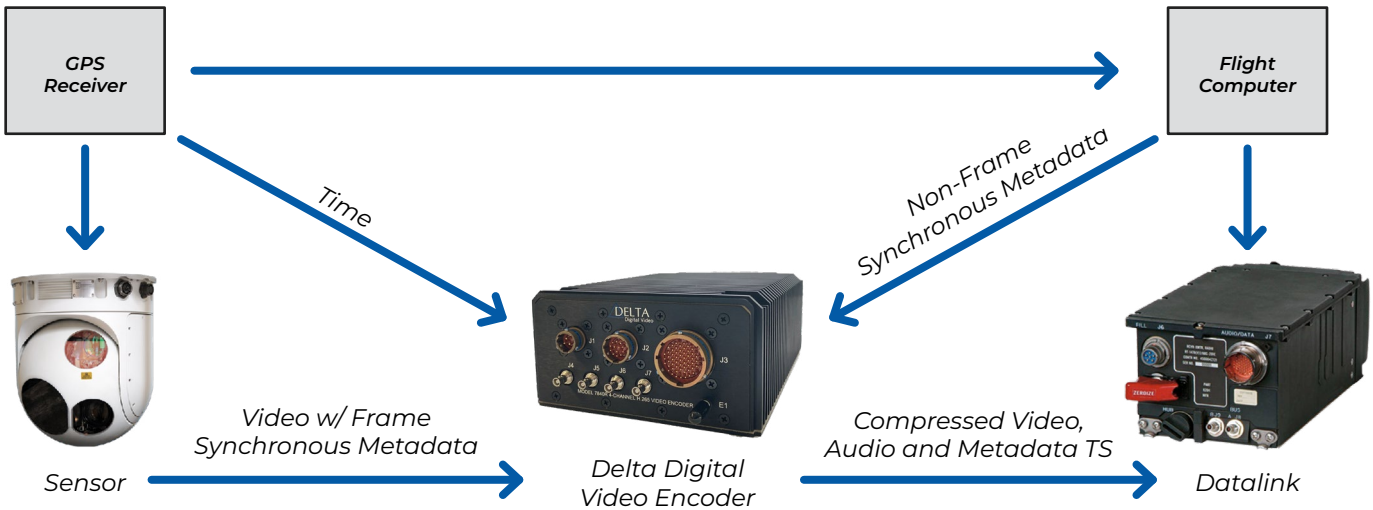
Network

Exploitation / Archive Systems

Delta Digital Video Decoder

Ground Control Station w/ Delta Digital Video Decoder

TYPICAL UAV ENCODER CONFIGURATION



DESIGNED AND BUILT IN THE USA
USED AND SUPPORTED WORLDWIDE

DELTA Digital Video

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