

Now Showing

IPTV, Video Streaming & Digital Signage Solutions

 **VITEC**

MGW Pico+ TOUGH Miniature Encoder

MGW Pico+ TOUGH is a miniature, power-efficient MIL-STD certified HEVC and H.264 rugged video encoder, which encodes and streams real-time video with frame-accurate KLV/STANAG metadata ingest. It now also features overlay capability, allowing visual watermarks and time stamps to be added to the compressed video. Its fanless, pocket-size enclosure is designed for use on unmanned and manned platforms, in fly-away kits or hand-carried in extreme conditions. It is available as a portable encoder or as an OEM board for integrators.

Designed to meet the most stringent environmental requirements, the MGW Pico+ TOUGH packs all the necessary capabilities for any Intelligence, Surveillance and Reconnaissance (ISR) or Situational Awareness (SA) video applications in an ultra-small enclosure. The unit supports simultaneous encoding and streaming of analog and SDI sources in low bandwidth HEVC or H.264, asynchronous and synchronous KLV/STANAG metadata



ingest from various sources, and provides real-time image cropping and video scaling as well as stream transport protection protocols. Weighing under 400g, and with a mere 8.8W power consumption for dual channel streaming, MGW Pico+ TOUGH is the ideal video encoder for any aerospace project, ground forces and manned/unmanned platforms needing low latency, low bandwidth with high-quality HEVC video streaming.

EZ TV Intelligence, Surveillance and Reconnaissance (ISR) IPTV System

EZ TV ISR is a rapidly-deployed, end-to-end Full Motion Video (FMV) solution for processing, archiving, indexing, managing and sharing tactical ISR video and metadata content. It enables government and military entities to quickly process live and recorded video assets to create actionable, real-time intelligence.

The EZ TV ISR platform can handle unlimited users and video streams, whilst security profiles enable only those authorized to view content can do so. The system also allows for real-time logging of comments, searching, clipping, and recording of video both local and remote.

EZ TV ISR can be deployed on various platforms to suit the environment, from full command and control centers to a ruggedized platform for tactical operations. The system can also support video walls, digital signage, and mosaic view, allowing it to expand to suit requirements.



Supporting up to full 4K resolution and HEVC (H.265) and AVC (H.264) codecs, the MISB and STANAG 4609 compliant solution can support dissemination of video both on LAN and WAN and share files with coalition partners.

ISR Video Streaming with Diamond-Hx OG

Diamond-Hx OG is a VITEC OG 4K HEVC video encoder card, ideal for IPTV distribution or point-to-point streaming from radar or PC screen sources across LANs and WAN. It features a powerful encoding engine with the ability to deliver up to four streams simultaneously.

Diamond-Hx OG captures up to 2x 4K/UHD/HD/SD sources from HDMI, DVI-I or RGBHV inputs and streams up to 4 live channels, addressing diverse applications in enterprise, broadcast, defense and surveillance markets. For data sensitive military applications, Diamond-Hx OG supports KLV/STANAG metadata ingest from various sources (IP or Serial), real-time image cropping and video scaling, and delivers

JITC compliant output streams.



Accommodation Solutions for Military Facilities



VITEC's IPTV platform enables military personnel to access high-quality, educational and entertaining video content from the comfort of their base accommodation, while keeping them up to date with the latest global and military news. Troops can easily access relevant information, such as base store information, gym and laundry opening hours or cafeteria menus on their TV via a customizable, interactive IPTV portal. Video on Demand (VOD) training content can be quickly accessible, while TV and movie entertainment helps create a feeling of 'home away from home'.

ChannelLink distribution server now provides support for IP camera ingest



ChannelLink acts as a central IP hub for efficiently and reliably distributing live content from anywhere. ChannelLink can process a large number of input streams protocols (including RTSP for IP camera support) and translate them into a multicast or unicast MPEG Transport Stream over UDP (UDP TS) or an SRT-protected stream, while maintaining the all-important KLV/STANAG 4609 compliant metadata.

It is ideal for stream management, routing, re-transmission, or IPTV stream reflection over WAN or the internet. ChannelLink simplifies content delivery of live channels and is designed to meet stringent security criteria, making the unit suitable for the most secure government and military full-motion ISR video applications.

In line with VITEC's greenPEG™ initiative, ChannelLink now ensures optimal use of the inbound transmission link bandwidth: the SmartLink feature ensures IP source feeds are requested only when needed, which reduces the overall network traffic and power consumption.

Telemetry Network Processor Series for Transmission of Time sensitive Data Signals

The Telemetry Network Processor (TNP) series addresses the need for transmitting time-sensitive mission critical data signals over IP networks. TNP Series' field-proven reliability and flexibility enables multifunctional capabilities that include ultra-low latency transmission of T1/E1 telecommunications signals, broadband analog signals, and audio and video signals for defense, telemedicine, and industrial applications.

