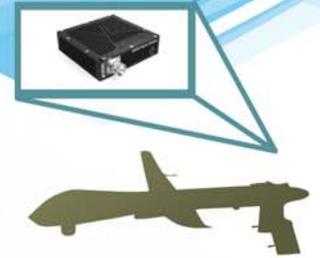




Satellite

Full Motion Video Solutions for Military Forces



Airborne ISR Encoders

Situational Awareness Encoder



Ground Station

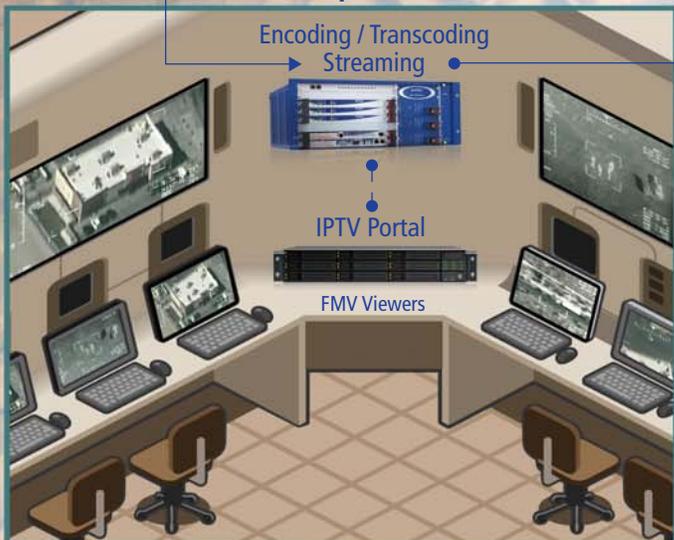


Credit Card Size Rugged Encoder



GBS

Headquarters



Encoding / Transcoding Streaming



IPTV Portal



FMV Viewers

Forward Base



Real-Time FMV Player For Desktop



ISR Mobile Player

IP Unicast or Multicast Video with KLV Metadata

Full Motion Video Solutions for Military Forces

Situational Awareness, Decision Support Systems, IPTV Platforms

VITEC's cutting-edge, Full Motion Video (FMV) solutions deliver real-time and on-demand video to PCs, TVs and Mobile Device screens - anytime, anywhere and on any network. Designed for mission critical applications, VITEC's FMV solutions facilitate informed decision-making and faster response to operational challenges.

VITEC, a leading provider of military FMV solutions, offers a complete line of products designed to enhance military workflows by digitizing, distributing and viewing high quality video and critical metadata across the enterprise network. VITEC's products support the most advanced video formats including MPEG-4, H.264 with Adaptive Bit-rate and ultra low delay processing.

IPTV Systems and Support

VITEC's battle-proven FMV solutions allow military personnel to easily disseminate live feeds and recorded video assets in various bit-rates optimized for the specific network link available. Organizations can leverage existing IP network infra-structure to distribute video to LAN and WAN users. Smart integration with IT security systems and existing domain policies enable system admins to regulate access to video content dynamically eliminating the need to use complex firewall and network routing settings. Conformance with DISA and JITC guidelines allow for rapid integration and into network architecture.

Live, accurate video of the tactical arena shared by all levels of the command structure at the same time

Delivering live, real-time, video in the tactical arena has always been a challenge. Distributing video information in the past required a specialized cable network and dedicated equipment making it costly and cumbersome to deploy. Include the many different types of cameras, downlink stations, sensors and display devices and the management costs in time and personnel can quickly escalate. VITEC's FMV Solutions are helping manage the influx of video devices and formats, extend the reach of video to the edge and enhance situational awareness and decision making processes at all levels. VITEC's line of video codec's and situational awareness viewer applications are deployed and in use by various military units

and government agencies around the world. Military forces in theater benefit from the flexibility of the VITEC EZ TV Player to adapt to changing needs and deliver critical video to the warfighter. Tactical units are using the browser-based EZ TV management interface and FMV player to view critical video information from any standard PC without cumbersome software installation. Secure AES 128/256 bit encryption can ensure video information is seen only by authorized users. On-the-fly channel guide updates make it easy to access feeds as they come on line, with no interruptions to service, while on screen audio monitoring, video carousel and security clearance labeling are available to help manage the displayed video.

Encoders (Blade Systems and Portables)

VITEC encoders are deployed worldwide to ingest UAV and Satellite down-link video feed eliminating costly coax and RF video distribution networks. Now Leaders can receive tactical video from any source and deliver it across the LAN/WAN with ease. VITEC is a clear expert in both carrier-grade and portable encoders.

VITEC's carrier-grade MGW encoding and streaming platforms are used in command posts to stream video downrange to forward units and Field Commanders giving them valuable, real-time access to essential intelligence. Military Units have come to rely on VITEC's built-in redundancy and automatic failover capabilities for dependable performance even in the harshest of conditions.

VITEC's MGW Portable encoders are the perfect solution for mobile units, foot soldiers and temporary base camps. These encoding appliances deliver high reliability in a rugged, MIL STD certified, fan-less enclosure with no moving parts, ready to take-on the most extreme environments. VITEC's portable encoders are installed in mobile platforms from UAVs to forward reconnaissance vehicles and tactical units to quickly capture video data and deliver it seamlessly over wireless, IP radio and even satellite and cellular phone connections.



VITEC's smallest 1080p60HD capable encoder, the MGW Pico is the size of a deck of cards and has been deployed with individual soldiers to collect ISR data. Forward observers can now quickly stream live, encrypted video to the Command or Headquarters giving them both valuable and timely information. Warfighters can view this video allowing them to survey enemy locations, assets and tactical entry points without direct exposure. All of VITEC's MGW Portable encoders support KLV MISB 0601 and 0902 as well as STANAG 4609 Metadata injection over serial, SDI or IP connections. This is ideal for pairing of tactical data with associated video, increasing the information available to the warfighter.

Decision Support System for wartime missions or training environments

The ability to adapt quickly to dynamic environments and rapidly apply lessons learned in the field is essential to military tactical planning and strategy. VITEC's Fully Integrated FMV System or FITIS has been specially designed as a combat multiplier for the ISR community. With fully integrated recording of real-time streams and simultaneous, on-demand access to stored content, the FITIS system enables military personnel to record, save and replay footage with any associated KLV or CoT metadata for instant tactical purposes as well as After Action Reviews. FITIS easily integrates with high capacity redundant storage and provides powerful asset management that makes storing, finding and selecting content simple. FITIS can record video data 24/7 and will index associated KLV metadata allowing for easy recall of video by keyword, mission name, MISB / STANAG datasets and more. Multiple on-demand streams can be played alongside live feeds in a mosaic view for increased efficiency without the need to install multiple monitors or utilize expensive VDU's (Video Display Units).

By making tactical data available on-demand from anywhere, VITEC's FITIS solution provides the essential intelligence tools required for training troops and planning campaigns.

Simple, Flexible and cost effective video distribution

VITEC's FMV and IPTV Systems are a cost effective replacement for aging Coax video distribution as well as an easy way to add IPTV

services to new construction without the additional complexity of a dedicated RF video network. With no Per-user client licensing fee, VITEC's EZ TV and FITIS IPTV systems can be scaled easily and distributed to an unlimited audience for one price. VITEC's IPTV systems can be used to convert VTC sessions to distribute view only sessions to a large dispersed audience without the additional cost and hassle of adding VTC clients. Stored video can be accessed at anytime making VITEC's FMV solutions perfect for delivering tactical information and Entertainment TV. VITEC's Video on Demand capabilities allow for storage and dissemination of movies, news, sporting events etc... helping to boost morale and keep the warfighter connected to the rest of the world.

Network Management made easy

VITEC's Set top Box (STB) Remote Control enables TV monitors at one or more bases or command centers to be centrally controlled and tuned to any channel.

The user-friendly STB Module graphical interface for TV monitors uses the set-top box remote control to easily browse an up-to-date channel guide on every TV monitor or plasma screen in command centers, offices and public areas.

Data Separation and Security

FITIS and EZ TV Systems can be fully integrated with Microsoft® Active Directory to provide full control of user access permissions for channels or channel groups and VITEC's encoders can be configured to encrypt the video data ensuring that classified information always remains classified.

Whether monitoring the field to track troop movements, accessing tactical videos on demand for training and debriefing or leveraging the collaborative power of video for military tactical planning, VITEC's solutions are the ideal choice for advanced FMV capabilities.

VITEC's FMV solutions are currently deployed by security forces and governments worldwide, including the US Army, US Air Force, Joint Task Forces, MDA, SOCOM, USNG, NASA and other global Defense Forces.

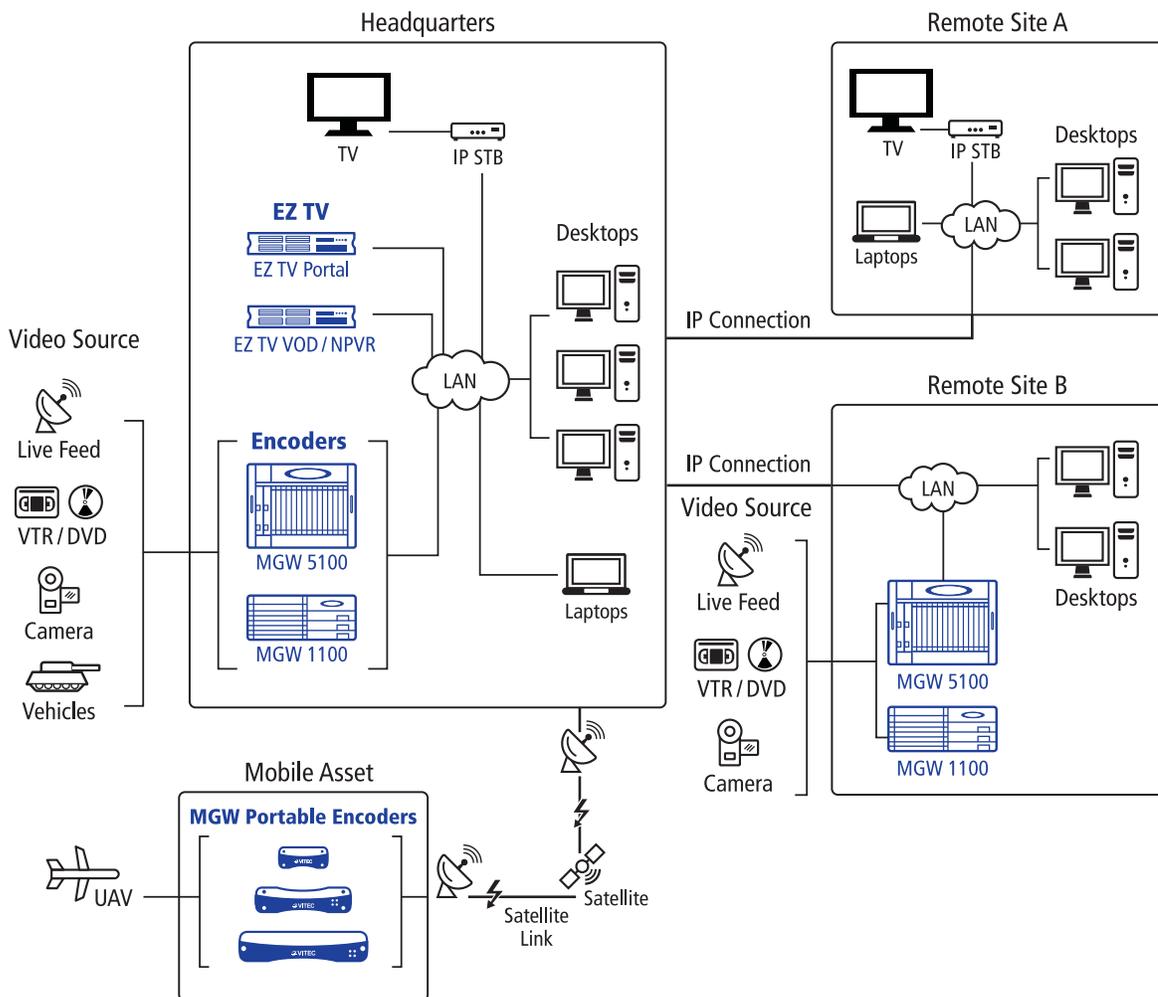
Benefits

- KLV and CoT support with real-time display for increased situational awareness (ISR)
- Monitoring action directly from the battlefield
- Facilitate communication among commanders and troops enhancing real-time operational decision support
- Recording and archiving tactical footage for training and debriefing

Applications

- Dense, all-in-one platforms for video encoding, transcoding and transrating
- Multi-format support: MPEG-2/4, H.264
- Rugged, MIL SPEC certified architecture
- Fast, seamless deployment
- Mosaic view of 2, 4, 9, 16 or 25 video channels
- Centralized management
- Easy definition of access privileges based on existing Microsoft Active Directory

Real-time & on-demand tactical footage from the field to headquarters & remote locations



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