



Video Solutions for **Military Forces**

Situational Awareness & Decision Support IPTV Systems



Video Solutions for Military Forces

VITEC's Powerful Optibase IPTV solutions deliver real-time and on-demand video to PC and TV screens in any format, anytime, anywhere. Designed for mission critical applications, they facilitate informed decision-making and faster response to operational challenges.

VITEC, a leading provider of military IPTV solutions, offers a complete line of state-of-the-art high definition and standard definition video streaming platforms and innovative management and viewing applications. VITEC products support the most advanced video formats, including MPEG-2, MPEG-4, H.264, and Adobe® Flash®.

Battle-proven Optibase IPTV solutions, based on the EZ TV System, allow military personnel to easily share and view live and on-demand video feeds on advanced PC players and IPTV set-top-boxes. They can be seamlessly integrated with existing networks and legacy IP video systems.

Live, accurate video of battlespace shared by all levels of the command structure

The EZ TV solution is the ultimate Decision Support System (DSS). It delivers real-time tactical footage from cameras mounted on UAVs, aerial platforms and tanks, from radar and sonar screens, and even from soldiers on the battlefield, directly to troops in remote locations, field commanders at tactical command posts and generals at headquarters. EZ TV enables military forces to observe events more closely, make better-informed decisions, and take action more rapidly and precisely than ever before.

The browser-based EZ TV management interface and IPTV player enable video to be viewed from any standard PC without any installation. EZ TV Player supports the display of a single feed or concurrent displays of 4, 9 or 16 feeds in a mosaic view, allowing on-going action to be monitored from various angles and perspectives so that no development goes unnoticed. On-the-fly channel guide updates make it easy to access feeds as they come on line, with no interruptions to service.

Reliable, high-performance solutions for mission-critical applications

On the battlefield and in remote positions, troops face harsh physical conditions. VITEC's Optibase MGW (Media Gateway) 5100, 1100 and 1000 encoding and streaming IPTV platforms feature built-in redundancy and automatic failover capabilities for dependable performance. They are controlled by state-of-the-art secure management applications for clustering and multi-region installations. The ultra-portable, rugged MGW encoder family encoder is suitable for mobile installations as well as long-term deployments. It delivers high reliability in the most extreme environments. The 4-channel MGW 400 platform offers low-latency encoding in a dense, space-efficient form factor.

VITEC's hardware-based encoding platforms provide high video quality in a range of bit rates, in any video format. They are optimized for streaming over LAN, wireless and satellite networks.





Powerful analysis tool

In the military, the ability to adapt quickly to dynamic environments and rapidly apply lessons learned in the field can be critical. With fully integrated recording of real-time streams and simultaneous on-demand access to stored content via its NPVR and VOD mechanisms, the EZ TV system enables military personnel to record, save and replay footage for instant tactical purposes as well as for post-hoc strategic analysis. The **EZ TV VOD** server features high capacity redundant storage with powerful asset management that makes storing, finding and selecting content simple. Multiple on-demand streams can be played alongside live feeds in a mosaic view. Live streams can be stored in the encoder until they can be uploaded to the EZ TV VOD server, a feature that is particularly valuable in remote deployments. **EZ TV NPVR** allows troops and officers to record live data on an ad-hoc basis in addition to scheduling recording of specific feeds.

By making tactical data available on-demand, anywhere, Optibase IPTV solutions provide the essential intelligence tool required for training troops and planning campaigns.

Command support

In dynamic, mission critical situations, keeping decision makers and troops informed is key to success. The EZ TV system is ideal for transmitting messages to troops around a base or across the world. Messages can be conveyed via the built-in text message ticker, by filming and encoding command briefings using Optibase's streaming platforms or by streaming stored content at scheduled times. EZ TV's unique Emergency Channel feature remotely tunes all clients to a specified channel with a single administrator command when necessary.



EZ TV Remote Control enables TV monitors at one or more bases or command centers to be centrally controlled and tuned to any channel. EZ TV System is fully integrated with Microsoft® Active Directory to provide full control of user access permissions for channels or channel groups, ensuring that classified information always remains classified.

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

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 tactical planning, Optibase products are the ideal choice for advanced IPTV video encoding, streaming and decoding solutions that are highly reliable, quick to deploy and easy to maintain.

VITEC's Optibase IPTV solutions are currently deployed by security forces and governments worldwide, including the US Army, NASA and the Israeli Defense Forces.

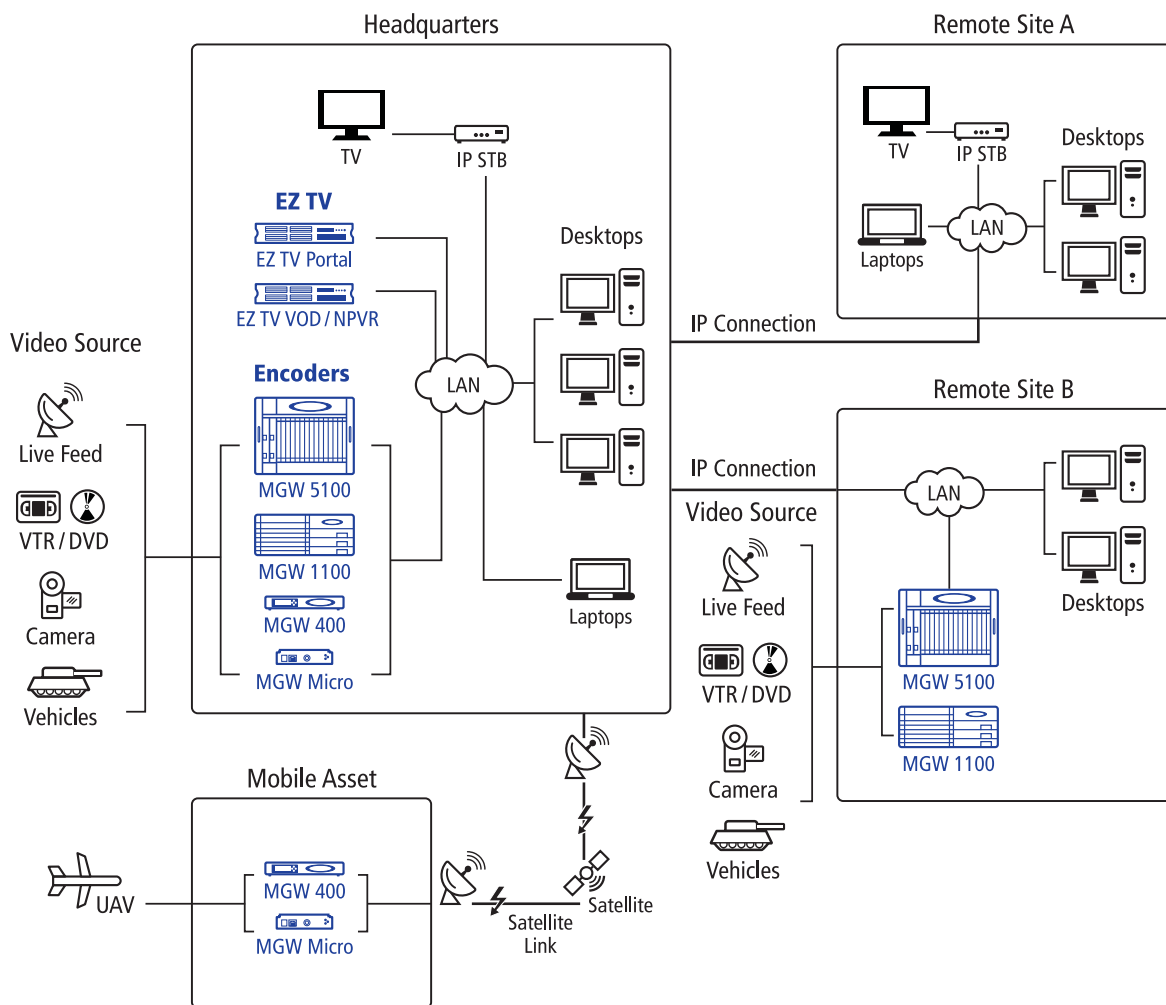
Benefits

- Monitoring action directly from the battlefield
- Increasing situational awareness and communication among commanders and troops
- Facilitating 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, Adobe Flash
- No single point of failure architecture
- Fast, seamless deployment
- Mosaic view of 4, 9, or 16 video channels
- Dynamic channel guide is automatically published to all users
- Centralized management
- Easy definition of access privileges based on existing Microsoft Active Directory
- Supports both Windows and Mac operating systems

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



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