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VIDEOSCOUT®-INSYTE®

Receiver/Transceiver Control, Video and Imagery Collection and Exploitation Software

VideoScout-Insyte is the storage/retrieval, Processing, Exploitation and Dissemination (PED) software that is also used to configure the VideoScout products and sensors to receive and transmit full motion video with associated audio, metadata and geo-positions.

Control, Receive, and Process Real-Time Video and Metadata

PRODUCT DESCRIPTION

VideoScout-Insyte (VS-Insyte) is the software user interface to the VideoScout family of receiver and transceiver hardware products. VS-Insyte provides controls for the receivers, transceivers, and smart antennas, including the capability to select reception and transmission directions, adjust receive attenuation and transmission power for optimal communications. VS-Insyte also provides comprehensive real-time video and image management capabilities for surveillance and intelligence gathering missions.

In a typical mission, VS-Insyte can connect to multiple simultaneous (encrypted or unencrypted) video transmissions from UAV, land and maritime sensors. VS-Insyte displays and records the Full Motion Videos (FMV) along with metadata. VS-Insyte can retransmit the incoming video, images and metadata to other entities (e.g. command centers). VS-Insyte provides full Digital Video Recorder (DVR) playback functionality to run post-mission analysis or stream in near real-time. VS-Insyte supports synchronizing a sensor's video with its relationship to the target in Google Earth™, FalconView® or other situational applications. VS-Insyte allows users to annotate and disseminate video clips and images by re-streaming them out over the Ethernet port or over the VideoScout transmitter.

The supported video, image and streaming formats are compatible with industry standards for integration into existing C4ISR systems and intelligence networks.

SOFTWARE FEATURES

> Receive and process video, audio, and metadata from multiple analog and digital RF input sources, off-the- shelf capture devices, video library and digital network streams (UDP/IP or RTSP). Embed audio and live metadata (e.g. location, date/time and flight data) in KLV or CC formats.

> Provides user interface to configure receive and transmit communications of the supported VideoScout systems.

> Supports AES and Type 1 encryption/decryption.

> Capture and record simultaneous live video feeds at resolutions up to ultra-high-definition 4k for all regional standards.

> Analyze live or recorded video using DVR functions to pause, zoom-in/-out, speed-up or slow-down the video while simultaneously watching the other real-time video windows to maintain situational awareness.

> On-display compass shows direction video sensor is pointing.

> Stream multiple simultaneous outbound videos to different destinations while still performing all DVR and live exploitation functions.

> Record and archive live video in native format and bit rate, selectively retaining embedded metadata and audio.
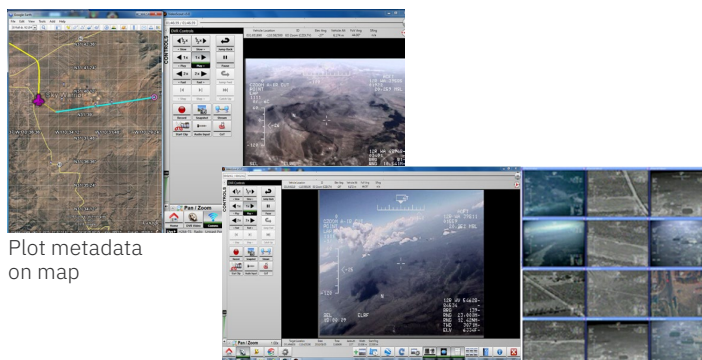
KEY FEATURES

> **Perform real-time analog and digital full-motion video image and data capture, dissemination, visualization, storage and markup**

> **Configure VideoScout family of systems to receive and transmit video with associated audio, metadata and geo-positions**

> **Perform Radio Frequency (RF) Spectrum Analysis**
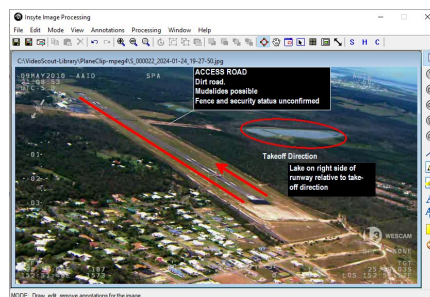
> **Perform Sensor Control**
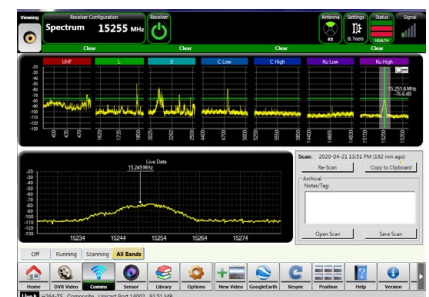

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SOFTWARE FEATURES (CONTINUED)

> Create NITF or JPEG digital snapshots in live or recorded mode.

> Create and store video and video snapshot images locally, on local networks, or on external devices.

> Search library (previously recorded videos) based on one or more search criteria (date and time, location, text fields) and filters (videos, clips and snapshots).

> Annotate imagery content using the drawing features.

> Annotate video with voiceover commentary that can be included for play-by-play storyboard.

> Supports configuring and sending Cursor-on-Target (CoT) messages and/or images at configured intervals over TCP/IP or UDP/IP for receipt and display on CoT applications.

> Find and analyze signals of interest using the Spectrum Analyzer feature.

> Watch the video synchronized with Google Earth™, FalconView® or other display applications to show the sensor and target over a map or imagery to become geographically oriented.

> Use motion tracking feature to continuously detect and track small moving objects, providing audio and visual cues in land and maritime environments.

> Full control of sensors on vehicles, UAVs or ground via VS-Insyte sensor control feature.

Plot metadata on map

20+ simultaneous video feeds

SPECIFICATIONS

VIDEOSCOUT-INSYTE SUPPORT FOR STANDARDS

Minimum Operating System Requirements

> Windows 10 or later

Supported Hardware Products

> VideoScout-CM3

> VideoScout-MC3

> Smart-ExBeam® + Antenna Radio Adapter

> WESCAM MX-8,™ MX-10, MX-15, MX-20

Video Streaming

> Video streaming at native content resolution (including selective audio and metadata, if present)

> Transcoding H.264 or H.265 at multiple resolutions

> UDP, MMS, RTSP, TCP

> Unicast or multicast distribution

> Advanced bit rate, resolution, and framing configurations for bandwidth limited/disadvantaged networks

Video Resolutions and Formats

> NTSC/PAL/SECAM

> Resolutions up to 4k (3840 x 2160)

> MPEG-2

> MPEG-4 Part 2

> H.264 (MPEG-4 Part 10) and H.265

> JPEG & NITF Images

> MPEG Transport Stream over UDP/IP or RTSP

Video Import/Export

> Support for transcoding to AVI and WMV file containers for standard Windows Media Play support

> Transcoding H.264 or H.265 at multiple resolutions

> Support for bit-for-bit export based on source encoding (including metadata, if present)

> Audio recordings can be retained or removed in exported clips

> Support for CoT, KML and KMZ

DVR video controls

Annotate video snapshot

Spectrum analysis

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