

## **VIDEOSCOUT®-SRCi**

### **Rugged Communications Module Processing, Exploitation, Dissemination (PED) Management System**

The VideoScout-Single Radio International (VS-SRCi) is an environmentally protected, semi-portable, remote video exploitation and management system designed for ground and maritime operations. The VS-SRCi excels at providing the ability to control, receive and process real-time video and metadata from ground and airborne surveillance platforms via a remotely mountable seven band antenna.

#### **PRODUCT DESCRIPTION**

VideoScout is a family of video PED, and management systems designed to capture, display, exploit, disseminate, and manage critical video intelligence from a variety of manned and unmanned sensors. The VS-SRCi further expands the VideoScout family of systems by providing users with an environmentally protected semi-portable, remote video exploitation and management system designated for ground and maritime operations that can be mounted atop ship masts, surveillance towers, rooftops, vehicles, or any other desired platform. The VS CM3Ci includes a secure L, S, C Low and C High band receiver and a UHF, L, S, C Low, C High, Ku-Low, and Ku-High band transceiver that supports any length of off the shelf coaxial antenna cable with a maximum insertion loss of up to 12 dB (approximately 100-300 feet, depending on cable).

As the only system of its kind, VS-SRCi easily captures and leverages video and metadata from up to two Unmanned Aerial Systems (UAS), targeting pods, intelligence feeds, and other common sensors as well as video from co-located perimeter security cameras. Users can deploy multiple VS-SRCi systems to expand their field of coverage and control any number of systems via standard IP based network protocol. This significantly expands traditional Line of Sight (LOS) coverage and provides the end user with enhanced Situational Awareness (SA) across the area of operation.

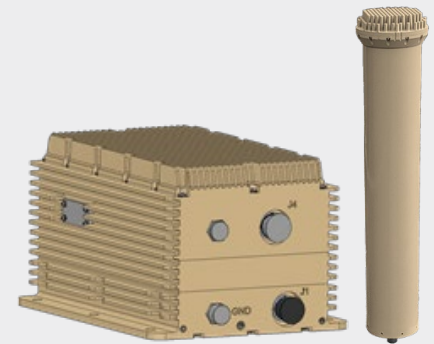
The VS-SRCi product is packaged with the VideoScout PED management software, VideoScout-Insyte. With sufficient computer performance, this software enables users to capture 20+ simultaneous video feeds, each with its own 7-day Digital Video Recorder (DVR) buffer. It also supports data archiving, along with immediate search, retrieval, exploitation, and dissemination of captured video and/or associated imagery. VideoScout-Insyte is a Microsoft® Windows™ based application, which facilitates easy integration into existing C4ISR systems and intelligence networks. This ability to easily exploit, manage, and disseminate data from multiple sources facilitates pre-mission planning, mission execution, and post-mission analysis. Users can pause, zoom, DVR, step back, and annotate video clips and images in near-real-time or on recorded video. This is achieved by recording voice from the user or external radios. Video and metadata are also stored and indexed automatically for subsequent search and retrieval. Warfighters can create geo-location smart video by synchronizing metadata and video with applications such as Google Earth™ from within VS-SRCi or via an Ethernet connection to Google Earth™ imagery.



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

#### **KEY FEATURES**

- > Ruggedized, portable communications module
- > Designed for ground and marine operations
- > Can be mounted atop ship masts, surveillance towers, rooftops, vehicles, or any other desired platform
- > Includes a secure UHF, L, S, C Low, C-High, Ku-Low and Ku-High band transceiver



## SPECIFICATIONS

| SPECIFICATIONS      |  |
|---------------------|--|
| External Interfaces | Antenna (x3), (1 N-Type, 2 TNC-F connectors), Ethernet, Power Input, RS-170A |
| Size                | 8" (W) x 10.5" (D) x 6.15" (H)   |
| Weight              | <20 lb. (excluding antennas)   |
| Colors              | Gray, Tan, Green or Black  |
| Power               | 85-265 VAC, 9-36 VDC, 70 Watts Maximum                                       |
| Video               | H.264, H.265, MPEG-2, MPEG-4 Part 2, NTSC, PAL, RTSP                         |



| TRANSCEIVER     |     |   |  |   |                                 |  |  |                        |       |
|-----------------|-----|---|--|---|---------------------------------|--|--|------------------------|-------|
| Waveform        |     | BE-CDL A<br>Modes 1 – 15<br>(0.512 - 44.736 Mbps) | BE-CDL B<br>Modes 101 – 105<br>(0.2-44.736 Mbps) | CDL<br>(0.2, 0.4, 2.0F/R,<br>10.71F/R, 10.71N,<br>21.42F/R, 44.73F/R<br>Mbps) | FM Analog<br>(Future<br>Option) | International (IW)<br>(0.75, 1.5, 3.0,<br>6.0, 12.0, 24.0,<br>42.0 Mbps) | Tactical<br>(0.466, 1.6, 3.2,<br>6.4 Mbps) | VNW<br>(0.05 – 5 Mbps) |       |
| Frequency Band  | UHF | Rx/Tx   | Rx/Tx  | Rx/Tx   | Tx                              | Rx/Tx  | Rx/Tx                                      | Rx/Tx                  | Rx/Tx |
|                 | L   | Rx/Tx   | Rx/Tx  | Rx/Tx   | Tx                              | Rx/Tx  | Rx/Tx                                      | Rx/Tx                  | Rx/Tx |
|                 | S   | Rx/Tx   | Rx/Tx  | Rx/Tx   | Tx                              | Rx/Tx  | Rx/Tx                                      | Rx/Tx                  | Rx/Tx |
|                 | C   | Rx/Tx   | Rx/Tx  | Rx/Tx   | Tx                              | Rx/Tx  | Rx/Tx                                      | Rx/Tx                  | Rx/Tx |
|                 | Ku  | Rx/Tx   | Rx/Tx  | Rx/Tx   | Tx                              | Rx/Tx  | Rx/Tx                                      | Rx/Tx                  | Rx/Tx |
| Encryption: AES |     | X   | X  | X   |                                 | X  | X  | X                      | X     |

| BANDS          |                |                 |                  |                                      |  |
|----------------|----------------|-----------------|------------------|--------------------------------------|--|
| Frequency Band | UHF            | L               | S                | C                                    | Ku                                       |
| Frequency      | 225 to 512 MHz | 950 to 2199 MHz | 2.20 to 2.50 GHz | 4.40 to 4.99 GHz<br>5.25 to 5.85 GHz | 14.40 to 14.83 GHz<br>15.15 to 15.35 GHz |

| ENVIRONMENTAL SPECIFICATIONS |  |                          |  |
|------------------------------|--|--------------------------|--|
| Altitude (Storage)           | MIL-STD-810H, Method 500.6, Proc I, 40,000 feet            | Vibration (Shipboard)    | MIL-STD-167-1A, Type 1                         |
| Altitude (Operating)         | MIL-STD-810H, Method 500.6, Proc II, 15,000 feet           | Shock (Functional)       | MIL-STD-810H, Method 516.8, Proc I, 40g, 11 ms |
| Temperature (Storage)        | MIL-STD-810H, Method 501.7, 502.7, Proc I, -46°C to +85°C  | Shock (Transit Drop)     | MIL-STD-810H, Method 516.8, Proc IV            |
| Temperature (Operating)      | MIL-STD-810H, Method 501.7, 502.7, Proc II, -40°C to +65°C | Shock (Shipboard)        | MIL-S-901E, Grade A, Class I, Type A           |
| Temperature Shock            | MIL-STD-810H, Method 503.7, Proc 1-C, -46°C to +85°C       | Conducted Emissions      | MIL-STD-461G, CE101, CE102                     |
| Rain                         | MIL-STD-810H, Method 506.6, Proc I                         | Conducted Susceptibility | MIL-STD-461G, CS101, CS114, CS115, CS116       |
| Humidity                     | MIL-STD-810H, Method 507.6, Proc II                        | Radiated Emissions       | MIL-STD-461G, RE101, RE102                     |
| Fungus                       | MIL-STD-810H, Method 508.8, Annex B                        | Radiated Susceptibility  | MIL-STD-461G, RS101, RS103                     |
| Dust                         | MIL-STD-810H, Method 510.7, Proc I                         | Electrostatic Discharge  | MIL-STD-461G, CS118                            |
| Vibration (Operating)        | MIL-STD-810H, Method 514.8C-2, Proc I, Cat 4               | Safety                   | IAW MIL-882 for system safety                  |
| Vibration (Storage)          | MIL-STD-810H, Method 514.8, Proc I, Cat 24                 |                          |  |

Videoscout-SRCi (PN: 575-7220-00X)

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