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FAST. FORWARD.

VIDEOSCOUT®-CM3Ci

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

The VideoScout-Communications Module, 3rd Generation International (VS-CM3Ci) is an environmentally protected, semi-portable, remote video exploitation and management system designed for ground and maritime operations.

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-CM3Ci further explands the VideoScout family of systems by providing users with an environmentally protected, semi-portable, remote video exploitation and management system designed 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, the VS-CM3Ci 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-CM3Ci systems in order 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-CM3Ci 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 while recording voice from the user or external radios to support mission planning, execution, and post-mission analysis. 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-CM3Ci or via an Ethernet connection to Google Earth™ imagery.

The appearance of U.S. Department of War visual information does not imply or constitute DOW endorsement.

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 L, S, C-Low and C-High band receiver
- Includes a secure UHF, L, S, C-Low, C-High, Ku-Low, and Ku-High band transceiver

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SPECIFICATIONS

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External Interfaces	Antenna (x2), Ethernet (x2), Power Input, RS-170A (x2)
Size	8" (W) x 10.5" (D) x 8.25" (H)
Weight	<28 lb. (excluding antennas)
Colors	Gray, Tan, Green or Black
Power	85-265 VAC, 9-36 VDC, 80 Watts Maximum
Video	H.264, H.265, MPEG-2, MPEG-4 Part 2, NTSC, PAL, RTSP

RECEIVER				
Waveform		**DDL (2, 6 Mbps)**	**FM Analog**	**Tactical (0.466, 1.6, 3.2, 6.4 Mbps)**
Frequency Band	L	Rx	Rx	Rx
	S	Rx	Rx	Rx
	C	Rx	Rx	Rx

TRANSCEIVER								
Waveform		**BE-CDL A Modes 1 - 15 (0.512-44.736 Mbps)**	**BE-CDL B Modes 101 - 105 (0.2-44.736 Mbps)**	**CDL (0.2, 0.4, 2, 10.71B, 21.42, 44.73 Mbps)**	**FM Analog (Future Option)**	**International (IW) (0.75-42 Mbps)**	**Tactical (0.466, 1.6, 3.2, 6.4 Mbps)**	**VNW (0.05-5 Mbps)**
Frequency Band	UHF	Rx/Tx	Rx/Tx	Rx/Tx	Tx	Rx/Tx	Rx/Tx	Rx/Tx
	L	Rx/Tx	Rx/Tx	Rx/Tx	Tx	Rx/Tx	Rx/Tx	Rx/Tx
	S	Rx/Tx	Rx/Tx	Rx/Tx	Tx	Rx/Tx	Rx/Tx	Rx/Tx
	C	Rx/Tx	Rx/Tx	Rx/Tx	Tx	Rx/Tx	Rx/Tx	Rx/Tx
	Ku	Rx/Tx	Rx/Tx	Rx/Tx	Tx	Rx/Tx	Rx/Tx	Rx/Tx
Encryption: AES		X	X	X		X	X	X

BANDS					
Frequency Band	**UHF**	**L**	**S**	**C**	**Ku**
Frequency	225 to 512 MHz[2]	1625 to 1.85 MHz[1] 950 to 2199 MHz[2]	2.20 to 2.50 GHz[1, 2]	4.40 to 4.99 GHz[1, 2] 5.25 to 5.85 GHz[1, 2]	14.40 to 14.83 GHz[2] 15.15 to 15.35 GHz[2]

1. Receiver
2. Transceiver

ENVIRONMENTAL SPECIFICATIONS			
Altitude (Storage)	MIL-STD-810G, Method 500.5, Proc I, 40,000 ft	Vibration (Shipboard)	MIL-STD-165-1A, Type 1
Altitude (Operating)	MIL-STD-810G, Method 500.5, Proc II, 15,000 ft	Shock (Functional)	MIL-STD-810G, Method 516.6, Proc I, 40g, 11 ms
Temperature (Storage)	MIL-STD-810G, Method 501.5, 502.5, Proc I, -46C to +85C	Shock (Transit Drop)	MIL-STD-810G, Method 516.6, Proc IV
Temperature (Operating)	MIL-STD-810G, Method 501.5, 502.5, Proc II, -40C to +65C	Shock (Shipboard)	MIL-S-901E, Grade A, Class I, Type A
Temperature Shock	MIL-STD-810G, Method 503.5, Proc 1-C, -46C to +85C	Conducted Emissions	MIL-STD-461G, CE101, CE102
Rain	MIL-STD-810G, Method 506.5, Proc I	Conducted Susceptibility	MIL-STD-461G, CS101, CS114, CS115, CS116
Humidity	MIL-STD-810G, Method 507.5, Proc II	Radiated Emissions	MIL-STD-461G, RE101, RE102
Fungus	MIL-STD-810G, Method 508.6, Annex B	Radiated Susceptibility	MIL-STD-461G, RS101, RS103
Dust	MIL-STD-810G, Method 510.5, Proc I	Electrostatic Discharge	MIL-STD-461G, CS118
Vibration (Operating)	MIL-STD-810G, Method 514.6, Proc I, Cat 4	Safety	IAW MIL-882 for system safety
Vibration (Storage)	MIL-STD-810G, Method 514.6, Proc I, Cat 24		

Videoscout CM3Ci (PN: 575-7225-00X)

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