



VideoScout® is a family of video processing, exploitation, dissemination (PED) and management systems designed to capture, display, exploit, disseminate, and manage critical video intelligence from a variety of manned and unmanned platforms. The VideoScout Communications Module (VideoScout-CM2) further expands the VideoScout family of systems by providing users with an environmentally protected, multi-band receiver suite that can collect two simultaneous aircraft video feeds, as well as collect video from two co-located sensors. All Intelligence, Surveillance, and Reconnaissance (ISR) information is displayed in real-time and is immediately available for exploitation. Real-time dissemination of video information can be sent over an Internet Protocol (IP) or tactical network. VideoScout-CM2 offers users the flexibility to process, exploit and disseminate real time or archived data anytime, anywhere. It is specifically designed to meet a wide array of operational mission requirements.

VideoScout-CM2 is a ruggedized, portable communications module designed for ground and marine operations; it can be mounted atop ships masts, surveillance towers, rooftops, vehicles, or any other desired platform.

Rugged Communications Module

Processing
Exploitation
Dissemination

PED Management System

Users can deploy multiple VideoScout-CM2s in order to expand their field of coverage and control any number of systems via standard IP networks. This significantly expands traditional Line of Sight (LOS) coverage and provides the end user with enhanced Situational Awareness (SA) across the area of operation.

VideoScout-CM2 is offered in two configurations: VideoScout-CM2, consists of a single L, S and C band receiver suite with a Ku-Band transceiver; or VideoScout-CM2, Dual consists of two (x2) integrated L, S and C band receiver suites.

The VideoScout-CM2 product is packaged with the VideoScout-Insyte PED management software. This software enables users to capture up to 12 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.



SHIPBOARD



FORCE PROTECTION



MOBILE

VideoScout - InSyte Video Exploitation and Analysis Software:
capture - process - exploit - manage - archive - disseminate



VIDEOSCOUT-CM2 RECEIVER TECHNICAL SPECIFICATIONS

VIDEOSCOUT-CM2

Band	Frequency Range
Analog/Digital Receiver 1	
L-Band	1625 MHz to 1850 MHz
S-Band	2200 MHz to 2500 MHz
Low C-Band	4400 MHz to 5000 MHz
High C-Band	5250 MHz to 5850 MHz
Ku Transceiver 2	
Ku-Band (receive)	14.40 GHz to 14.93 GHz
Ku-Band (transmit)	15.15 GHz to 15.35 GHz

VIDEOSCOUT-CM2 DUAL

Band	Frequency Range
Analog/Digital Receiver 1 and 2	
L-Band	1625 MHz to 1850 MHz
S-Band	2200 MHz to 2500 MHz
Low C-Band	4400 MHz to 5000 MHz
High C-Band	5250 MHz to 5850 MHz

VIDEO AND DATA PROCESSOR SPECIFICATIONS

External Interfaces	RS-170 (x2), Ethernet (x2), Two Antennas, Power Input
Video	MPEG-2, H.264, MPEG-4 Part 2, NTSC, PAL
Demodulation	FM, FSK 455 Kbps (Future), FSK 466 Kbps, SOQPSK (DDL), CDL (CM2)
Encryption	AES-256, Type 1 (Future)
Data Decoding	KLV/Sub Carrier

ENVIRONMENTAL SPECIFICATIONS

Size	10.5"x8"x6.62" (HxWxD) (excluding mating connections)
Weight	22 lbs (excluding antennas)
Operating Temp	-40°C to +55°C inclusive (W/solar loading to +65°C)
Storage Temp	-46°C to +85°C inclusive
Thermal Shock	MIL-STD-810:503.4 -40°C to +70°C non-operating
Shock	40g, 11 ms, 1/2 sine (CM2)
Tactical Shock	MIL-STD-901D, lightweight, category I, grade B (CM2 Dual)
Vibration	MIL-STD-810F, CAT 20 Ground Mobile (CM2), CAT 24, Min. Integrity (CM2 Dual)
Radiated Emissions	MIL-STD-461E RE101 (Magnetic Field), RE102 (Electric Field)
Conducted Emissions	CE101, CE102
Conducted Susceptibility	CS114 (Bulk cable injection), CS115 (Spikes, Impulse), CS116 (Sinusoidal Transients)
Radiated Susceptibility	RS101 (Magnetic Field), RS103 (Electric Field)
Electrostatic Discharge	Personnel Borne (MIL-STD-1686) - when pins protected
Humidity	MIL-STD-810 507.3, Procedure II, Cycle 4 (induced hot/humid) 15 cycles
Salt Fog	MIL-STD-810 509.3. 5% solution, 48 hours
Fungus	MIL-HDBK-310 (Analysis only)
Rain	MIL-810F Method 506.4, Procedure 1
Dust	MIL-810F Method 510.4, Procedure 1
Safety	In accordance with MIL-882 for systems safety
Colors	Tan or Gray



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