L3HARRIS™
FAST. FORWARD.

VIDEOSCOUT®-MC3

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

ACTIONABLE INTELLIGENCE

The VideoScout®-Mobile Communications, 3rd Generation (VS-MC3) is an environmentally protected, portable, remote video exploitation and management system that alleviates the need for additional equipment when mobility is required and size, weight and space limitations are critical.

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 sensors. The VideoScout®-Mobile Communications, 3rd Generation (VS-MC3) further expands the VideoScout® family of systems by providing users with an environmentally protected, portable, remote video exploitation and management system that alleviates the need for additional equipment when mobility is required and size, weight, and space limitations are critical. The VS-MC3 includes a secure 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 15 dB (approximately 100-500 feet, depending on cable type).

As the only system of its kind, VS-MC3 easily captures and leverages video and metadata from Unmanned Aerial Systems (UAS), targeting pods, intelligence feeds, and other common sensors as well as video from co-located perimeter security cameras. Available as a standards-based, inter-operable laptop system, VS-MC3 supports a variety of

3rd party applications and can be used by field personnel as a portable Remote Video Exploitation Terminal (RVET).

The VS-MC3 product is packaged with the VideoScout® PED management software. 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 geolocation smart video by synchronizing metadata and video with applications such as FalconView® maps or Google Earth™ from within VS-MC3 or via an Ethernet connection to Google Earth™ imagery.

KEY FEATURES

> Portable, remote system

> Real-time analog and digital full-motion video

> Faster analysis, planning, and improved situational awareness for frontline warfighters

> Includes a secure UHF, L, S, C-Low, C-High, Ku-Low, and Ku-High band transceiver
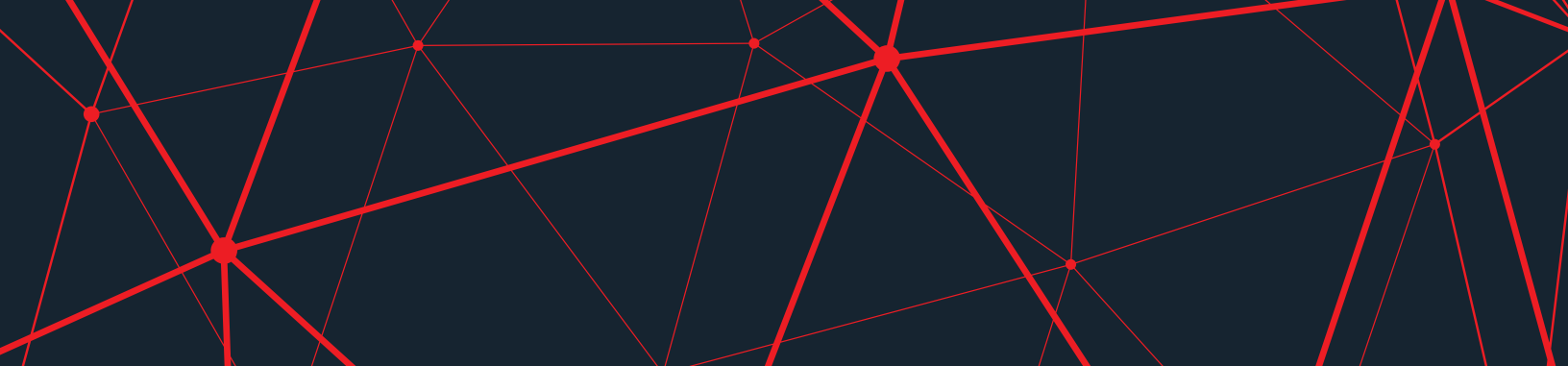
LAPTOP SPECIFICATIONS

CPU	Intel® Core™ i7-3520M Processor, 2.90 GHz
Memory	8 GB DDR3
Removable SSD	480 GB Solid State Drive
Display	12.1" TFT LCD WXGA (1280 x 800), 1200 nits, sunlight readable display with multi-touch screen
Keyboard	Waterproof LED back-lit membrane keyboard, touch pad
Ethernet	10/100/1000 Base-T
PCMCIA Card	PCMCIA Type II x 1 ExpressCard 54/34
USB	USB 3.0 Ports (x2), 1 s USB 2.0 Port
Battery Power	Rechargeable Lithium Ion (x2)
External Power	AC/DC adapter, 5590 Battery Cable, DC/DC HUMVEE Adapter 11-32 VDC

SPECIFICATIONS

Size	14.5" W x 9" D x 7" H
Weight	< 15 lbs (excluding antenna)
Color	Black
Power	100-240 VAC, 12-32 VDC, 183 Watts maximum
External Interface	AES Key Fill (DS-101), Antenna, Ethernet, Power Input, RS-170
Video	H.264, H.265, MPEG-2, MPEG-4 Part 2, NTSC, PAL, RTSP

TRANSCEIVER

Waveform		Analog	BE-CDL A (0.512, 1, 2, 4, 8, 10, 16, 20 Mbps)	BE-CDL B Modes 101, 104 (0.2-44.736 Mbps)	CDL (0.2, 0.4, 2, 10.71A/B, 21.42, 44.73 Mbps)	DDL (2, 6 Mbps)	Tactical (0.466, 1.6, 3.2, 6.4 Mbps)
Frequency Band	UHF	Rx	Rx/Tx	Rx/Tx	Rx/Tx		Rx
	L	Rx	Rx/Tx	Rx/Tx	Rx/Tx	Rx	Rx
	S	Rx	Rx/Tx	Rx/Tx	Rx/Tx	Rx	Rx
	C	Rx	Rx/Tx	Rx/Tx	Rx/Tx	Rx	Rx
	Ku	Rx	Rx/Tx	Rx/Tx	Rx/Tx	Rx	Rx
Encryption: AES, Type 1			X	X	X	X	X

BANDS

Frequency Band	UHF	L	S	C	Ku
Frequency	400 to 470 MHz	1.625 to 1.85 GHz	2.025 to 2.50 GHz	4.40 to 5.0 GHz 5.25 to 5.85 GHz	14.40 to 14.93 GHz 15.15 to 15.35 GHz

ENVIRONMENTAL SPECIFICATIONS

Altitude (Storage)	MIL-STD-810G, Method 500.5, Proc I, 40,000 ft	Vibration (Operating)	MIL-STD-810G, Method 514.6, Proc I, Cat 4
Altitude (Operating)	MIL-STD-810G, Method 500.5, Proc II, 15,000 ft	Shock (Functional)	MIL-STD-810G, Method 516.6, Proc I, 20g, 11 ms
Temperature (Storage)	MIL-STD-810G, Method 501.5, 502.5, Proc I, -40°C to +70°C	Shock (Transit Drop)	MIL-STD-810G, Method 516.6, Proc IV
Temperature (Operating)	MIL-STD-810G, Method 501.5, 502.5, Proc II, 0°C to +55°C	Conducted Emissions	MIL-STD-461F, CE101, CE102
Temperature Shock	MIL-STD-810G, Method 503.5, Proc 1-C, -40°C to +70°C	Conducted Susceptibility	MIL-STD-461F, CS101, CS114, CS115, CS116
Rain	IP65	Radiated Emissions	MIL-STD-461F, RE101, RE102
Humidity	MIL-STD-810G, Method 507.5, Proc II	Radiated Susceptibility	MIL-STD-461F, RS101, RS103
Fungus	MIL-STD-810G, Method 508.6, Annex B	Electrostatic Discharge	ANSI/IEEE C63.16
Dust	IP65	Safety	IAW MIL-882 for system safety

VideoScout®-MC3

PN: 750-7260-002

L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.

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1025 W. NASA Boulevard
Melbourne, FL 32919
t 714 616 4457
VideoScout@L3Harris.com