

VIDEOSCOUT™ Receiver Integrated Processing, Exploitation and Dissemination (PED) Management System



VideoScout®-MC3 is a portable remote video exploitation and management system with a single fully integrated UHF, L, S, C, and Ku-band receiver. As the only system of its kind, VideoScout-MC3 easily captures and leverages near-real-time video and metadata from Unmanned Aerial Systems (UAS), targeting PODs, intelligence feeds, and other common sensors. This lightweight, all-in-one rugged system alleviates the need for additional equipment when mobility is required and size, weight and space limitations are critical.

Unlike receive and display only systems, VideoScout-MC3 puts the ability to capture, view, archive, annotate, georeference and disseminate actionable video intelligence directly into the

hands of mobile warfighters. Over 7 days of video and metadata can be recorded.

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 user or external radios to support near-real-time mission planning, execution and post mission analysis. Video and metadata are also stored and indexed automatically for subsequent search and retrieval.

Available as a standards-based, interoperable laptop system, VideoScout-MC3 supports a variety of 3rd party applications and can be used by field personnel as a remote portable video exploitation terminal.

Warfighters can create geo-location smart video by synchronizing metadata and video with applications such as FalconView® maps or Google Earth™ from within VideoScout-MC3 or via Ethernet connection to Google Earth™ imagery.

The VideoScout-MC3 product is packaged with the VideoScout PED management software. VideoScout-Insyte software enables users to capture 20+ simultaneous video feeds, with 7 days of DVR capability for each feed. 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.



Operating System	Genuine Windows® 7 Professional	
Laptop	CPU	Intel® i7™ Processor 2.9 GHz, Intel® i7 3520M
	Memory	8GB 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 keyboard, touch pad, LED back-lit membrane keyboard
	PCMCIA Card	PCMCIA Type II x 1 Expresscard 54/34
	USB	2 USB 3.0 ports, 1 USB 2.0 port
	2x Batteries	Rechargeable Lithium Ion
	Power	AC/DC adapter, 5590 Battery cable, DC/DC Humvee Adapter 11-32VDC
	Communication	10/100/1000 base-T Ethernet; 56K modem
	Dimensions	12" x 9.0" x 2.0" (14.5" x 9.0" x 3.7" whole MC3)
	Weight Approximately	14 lbs (excluding antenna)
	Environmental Standard	Computer certified to MIL-STD-810G
Environmental	Operating Temperature	0°C to +60°C
	Dust Water Protection	IP65
Video/Image Processing	Video Capture I/O	NTSC, PAL, RS170, SVGA
	Compression/Decompression	MPEG-2, H.264 (MPEG-4 Part 10), MPEG-4 Part 2
Waveforms	FM	Analog
	Tactical	BR 1.6, BR 3.2, BR 6.4
	FSK (466 Kbps)	BR 466
	CDL	Annex B (BR 0.2, BR 0.4, BR 2.0, BR 10.71A, BR 10.71B, BR 21.42, BR 44.73)
	SOQPSK (DDL)	1.5 Mbps and 4.5 Mbps
	BE-CDL (Rev A)	512Kbps - 45 Mbps
Encryption		AES, Type 1 available
GPS	Commercial	

SECURE VIDEOSCOUT MC3 RECEIVER TECHNICAL SPECIFICATIONS

<u>ANALOG/ DIGITAL BAND</u>	<u>FREQUENCY RANGE</u>	<u>ANALOG DATA SUB-CARRIERS</u>
UHF	400 MHz to 470 MHz	Tunable 6.0 to 8.5 MHz
L-Band	1620 MHz to 1850 MHz	Tunable 6.0 to 8.5 MHz
S-Band	2200 MHz to 2500 MHz	Tunable 6.0 to 8.5 MHz
Low C	4400 MHz to 5000 MHz	Tunable 6.0 to 8.5 MHz
High C	5250 MHz to 5850 MHz	Tunable 6.0 to 8.5 MHz
Ku-Band	14.4 GHz to 14.93 GHz	
	15.15 GHz to 15.35 GHz	
	Supports PCE and SCE modes	

RCCS: A business unit of Unmanned Systems

9890 Towne Centre Drive
 Suite 150
 San Diego, CA 92121
 Email: VideoScout@L-3com.com
 www.L-3com.com/uas

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