

SPARTIN™ IMS

Rugged Portable/Deployable Server

The SPARTIN™ Intelligence Management Server (IMS) is a powerful three-screen portable/deployable server, designed for ground and marine operations.

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 SPARTIN™ Intelligent Management Server (IMS) further expands the VideoScout® family of systems by providing users with an environmentally protected portable, management server designated for ground and maritime operations.

The IMS is a powerful three-screen deployable server. An Intel® Xeon® D-2183IT processor, up to 512 GB of RAM and 25TB of SSD storage, allows the VS IMS to process and display tactical data in real time for C4ISR, GIS and Geospatial operations.

With room for an Nvidia® P4000 desktop graphics card, and another ¾ length PCIe expansion slot, the IMS is the most powerful computer in its class.



The IMS 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 FalconView® maps or Google Earth™ from within VS-CM3 or via an Ethernet connection to Google Earth™ imagery.



KEY FEATURES

- > Three 17" HD displays with HDMI mirroring of all screens
- > Intel® Xeon® Processor D-2183IT, 16 cores, 32 threads, 22 MB cache, 3 GHz max, 2.2 GHz base
- > Eight LAN ports (4 x 10G, 4 x 1G + IPMI)
- > Up to four removable drives





SPECIFICATIONS

Motherboard	Intel® Xeon Industrial
CPU	Intel Xeon D-2183IT, 16 Cores, 32 Threads, 22 MB Cache, 3 GHz max, 2.2 GHz base
RAM	16 GB to 512 GB
Ethernet	Dual LAN with 10G SFP+LAN via SoC (Fiber) Dual LAN with 10Gbase-T (RJ45) Quad LAN with Intel® Ethernet Controller I350-AM4 (RJ45)
USB	2 x USB 3.0, 2 x USB 2.0
Drives	Boot Drive NVMe (option) Four 2.5 inch SSD drives in removable canisters
Video Card	Nvidia® Quadro P4000 2 GB (option)
CAC Reader	Integrated (Mil only, option)
Power Supply	240W External
Dimensions	18.2" x 15" x 11.75" (stowed)
Weight	~22 lbs (varies according to configuration)

ENVIRONMENTAL SPECIFICATIONS

Temperature (Operating)	MIL-STD-810G, Method 501.5, 502.5, 0°C to +40°C
Temperature (Storage)	MIL-STD-810G, Method 501.5, 502.5, -25°C to +70°C
Cooling	Filtered forced air
Humidity	MIL-STD-810G, Method 507.5, 20% to 90% non-condensing
Vibration (Operating)	MIL-STD-810G, Method 514.6, 10 to 500 Hz 0.4g (RMS)
Vibration (Non-Operating)	MIL-STD-810G, Method 514.6, 10 to 500 Hz 1.12g (RMS)
Shock (Operating)	MIL-STD-810G, Method 516.6, 15g, 8 ms, ½ sine
Shock (Non-Operating)	MIL-STD-810G, Method 516.6, 40g, 8 ms, ½ sine
Drop (Non-Operating)	4 inches
Shock (Shipboard)	MIL-DTL-901E, Lightweight shock, Class B



- ETHERNET:**
- > 2 Fiber ports SFP + (10G)
 - > 2 RJ45 ports (10G)
 - > 4 RJ45 ports (1G)
 - > 1 IPMI port



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PN: 700-7200-001

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PUBLIC RELEASE. Cleared by DOPSR for public release under DOPSR case no. 21-S-2252 on June 28, 2021.

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