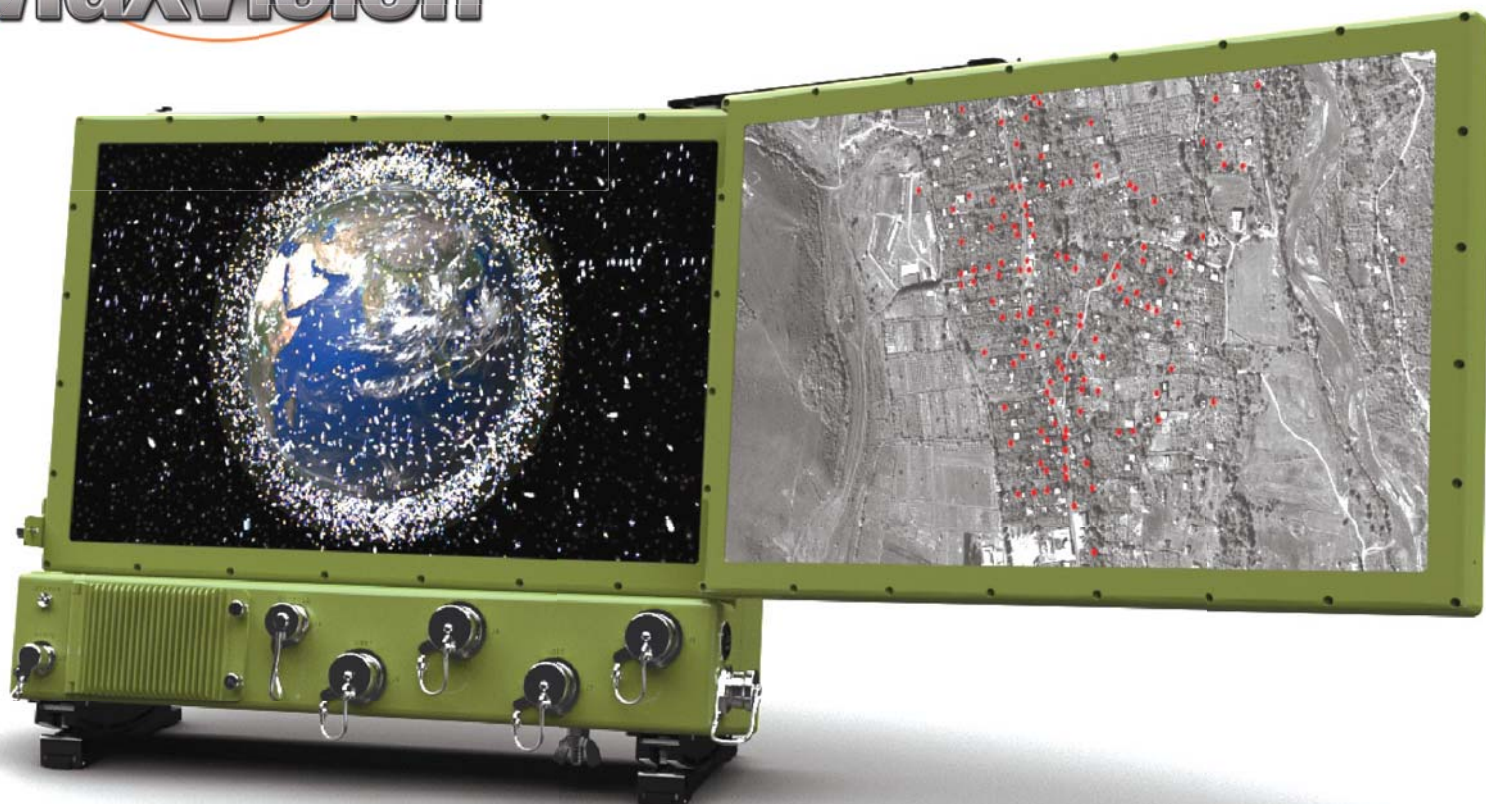


EXTREME RUGGED
PORTABLE COMPUTING



MaxVision®



MESAMAX™ 8240

Water-Proof Rugged Workstation

For the ultimate in ruggedization, MesaMax™ is a totally sealed dual processor workstation. The MesaMax™ houses Xeon® 5600 processors, up to 48GB of main memory, single or dual 22" displays and supports three removable 720GB SSD magazines (2.16TB total). High performance nVidia® Quadro® FX1800 graphics is standard.



MESAMAXTM 8240



Rugged fully sealed machined aluminum chassis that provides extreme protection from the harshest conditions.



UP to 12 removable 1.8" SSD, 160GB per drive for a total of 2.16TB. Organized into three, 4-drive magazines sealed behind a sealed door that can be opened without tools.



Rugged Fully Sealed, IP65 -32°C to 60°C with solar load.



Fully Accessible-Waterproof USB ports and removable Hard Drive Array.

The MesaMax is Compliant with the Following Specifications: **For Full List Visit Website**	
Temperature:Hot Storage	The equipment shall be exposed to temperatures ranging from -33C to 71C during storage
Temperature: Hot Operation	The equipment shall be exposed to temperatures ranging from -32C to 63C while operational
Temperature: Cold Storage	The MesaMax shall be designed to operate after removal of ice 1.5 hours after encountering an ice load of 1.5 gm/cm2.
Temperature: Cold Boot-up and operation	The MesaMax shall be designed to operate after removal of ice 1.5 hours after encountering an ice load of 1.5 gm/cm2.
Ozone(Analysis-based Testing)	The MesaMax shall operate without degradation in ozone concentrations for a value of 1.37 x 10-8 lb/ft3 (220 x 10-3 kg/m3). MIL-HDBK-310, paragraph 5.1.20
Altitude	The equipment operating altitude shall be up to 10,650 ft. Transport altitude shall be up to 35,000 ft.
Atmospheric Pressure	The equipment operational high pressure is 31.9 inches of mercury
Decompression	The equipment shall not sustain any damage from pressure change corresponding to altitude change of 8000 to 35000 ft in 30 seconds
Rain: Storage	Non-operational but outside of the transit case the equipment shall no be rendered inoperable following 35 knot winds on each side for 30 minutes including 5 minutes of 40 knot gusts per side with rainfall intensities of 5cm/hr
Rain: Operation	The operational equipment will be exposed to a rainfall rate of 2 cm/hr for 15 minutes Non-operational but outside of the transit case the equipment shall no be rendered inoperable following 35 knot winds on each side for 30 minutes including 5 minutes of 40 knot gusts per side with rainfall intensities of 5cm/hr
Wind	The Non-operational equipment shall be subjected to steady winds of up to 35 knots with gusts up to 40 knots. The operational equipment shall be capable of operation while being subjected to steady winds of up to 20 knots with gusts up to 25 knots.
Shock	The equipment shall be subjected to 26 drops at 48 inches which is 1 drop per side, edge, and corner and will not sustain damage or deterioration in functional performance. The equipment shall be subjected to three 40G 11 ms sawtooth pulses in each direction of each orthogonal axis for a total of 6 shocks per axis and repeated twice for a total of 18 shocks and shall operate.
Salt-Fog	The equipment shall operate without degradation in a salt-fog environment with a 48 hour exposure to salt-fog with 5% concentration of salt.
Sand/Dust	The Non-operational equipment shall be subjected to blowing sand without degradation in performance. The Non-operational equipment shall be subjected to blowing dust without degradation in performance.
Radiated Emissions (EMI, EMC)	Radiated Emissions for ground army, few overages on non emergency frequencies were noted
Personnel ESD	The equipment shall meet the PESD requirement for discharge path of personnel, 25,000 +/- volts, 250 +/- 5% picofarads, and 500 +/- 5% ohms.
Processor/Motherboard	DUAL INTEL XEON® 5600/ SUPERMICRO® X8DTL-6F
Graphics Card	nVidia Quadro® FX1800
Memory	Up to 48GB DDR3
LCD Display Size	Dual 22" 1680 x 1050
LCD Monitor	High Bright 1000 nits/AR
Std I/O Interfaces	4 USB 2.0, 2 GbE, DB9, Audio connector. MIL-STD 38999 connectors.
PCI Expansion slots	PCIe x 16 (used by graphics) sealed internal.
Removable Hard Drive Magazine	UP to 12 removable 1.8" SSD, 160GB per drive for a total of 2.16TB. Organized into three, 4-drive magazines sealed behind a sealed door that can be opened without tools.
Power Supply	600W external 5min backup
Software OS	Windows XP SP3, Windows 7 Professional, Windows 2008 Server Linux: Redhat Enterprise Linux 5, SuSE 9.0, Solaris 10
Transit Case	Customized Rugged Transit Case provides added protection and easy storage/ transportation of the unit and its accessories. Most are rated to IP-67 and Mil-STD 810G

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