Vista 4500

Networked multi-function console

Vista 4500 is Esterline's latest family of multi-function consoles offering an ergonomic rugged working position for the most demanding sonar, Command and Control, systems control or situational awareness applications. The Vista 4500's modular approach makes it ideal for integration into various Combat Information Center (CIC) applications on board surface ships or submarines.

Esterline's Vista 4500 consoles are fully network capable, so they successfully address the needs of modern CIC rooms, where reduced manpower and low cost of ownership are of utmost importance. Networked visualization makes it possible to visualize any real-time data anywhere in the CIC room and offers utmost flexibility, redundancy and survivability.

The Vista 4500 console includes Esterline's RDDS-2 radar solution as well as Esterline's networked video streaming and recording options.

Esterline's Vista 4500 comes in two configurations:

Vista 4500-E: multi-function console featuring advanced and expandable computing based on the PICMG1.3 computer form factor (PCIexpress and PCI extension slots). The Vista 4500-E console is highly cost-effective and fit for a full range of Command and Control applications.

Vista 4500-R: multi-function console featuring expandable computing to support up to 10U of 19" rackable computer configurations (VME, cPCI multi-processor configuration).

Product specifications

	Vista 4500
Power	115-220 VAC, 50-60 Hz
Display	From 19'' to 30'' LCDs. Different display layouts possible, including Dual Head Top/Down or Side by Side, Single head
Desk	Foldable. Large range of input devices supported (Keyboard, track ball, joystick, throttle)
Human factors	MIL-STD-1472
Touch input display	10'' LCD panel with touch screen, Optional embedded computer
Control terminal	2.2'' LCD panel for health status, control buttons
Extensions	Function keys, external USB port, audio, ...
Dimensions HMI unit	Dual Head Top/Down: 650 x 1540 x 950 mm max, Weight < 190 kg Dual Head Side by Side: 1200 x 1300 x 950 mm max, Weight < 220 kg Single Head: 650 x 1300 x 950 mm max, Weight < 170 kg
CPU	Intel CoreTM i7-3770 3.4GHz
Graphics accelerator	PCIe high-performance graphics board
Media	SATA HDD 1TB system disk
Operating temperature	0° C to 50° C
Storage temperature	-35° C to 70° C
Humidity	95% at 40°C non-condensing
Vibration	MIL-STD-167-1
Shock	MIL-STD-810E
EMI / EMC	MIL-STD-461D/E
Degree of enclosure	MIL-STD-810E, 45°
Acoustic Noise	MIL-STD-740-1 (SH) Grade C, 54 dB(A)
Electrical standard	MIL-STD-1399 Section 300A, STANAG 1008 ed9

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