

Vista 4500

Networked multi-function console



Vista 4500 is Barco'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.

Barco'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 Barco's RDDS-2 radar solution as well as Barco's networked video streaming and recording options.

Barco'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.

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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 Core™ 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 |