

Vista 4000



COTS console family

Barco's VISTA 4000 console series offers fully functional, ergonomic rugged working positions for the most demanding Command and Control applications. Designed for operation in airborne, landbased and naval environments, the VISTA 4000 series provides a wealth of configuration options: low or high-end environmental specifications, top-down or side-by-side design, integrated or remote processing,...

BARCO

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Modular, user-configurable console series

Barco's VISTA 4000 consoles series combine a configurable Base Unit and an ergonomic Human Machine Interface Unit. This fully modular, split-design offers optimal flexibility and allows easy customization according to the required functionalities and the operator's interfacing needs.

Thanks to this modularity, system integrators are sure to have the same look and feel across different platforms and applications, resulting in minimal training and configuration costs in operational environments. Furthermore, the console family's modular concept, extensive BIT and ease of maintenance (thanks to the front-accessible LRUs) guarantee a low lifecycle cost.



User-configurable, ergonomic HMI Unit

For the HMI Unit, customers can select their preferred flat panel display from Barco's full range of LCD displays (ranging from 17" to 21"). Operators are free to combine several screen sizes and can configure the operator desk display(s) for their applications. Other HMI options include: single- or dual-head console, side-by-side or top-down console, touch screen input, trackball, keyboard, joystick, audio devices and configurable function keys.

Configurable Base Unit

To customize the console series for a wide range of application platforms, three Base Unit options have been developed.

Customers can opt for a full-blown cabinet with integrated PCI processing functionality when local processing is needed. For increased modularity or applications in milder environments, Barco has designed a simplified Base Unit based on the 19" industry standard, which allows integration of an

industrial workstation, UPS device and other 19" rack mountable equipment. When no local processing is needed (e.g. in a network with central remote processing), the VISTA 4000 console can come with a pedestal only.

Optimum cost-efficiency

With Barco's VISTA 4000 series, system integrators benefit from the expertise of a market leader in rugged visualization, resulting in reduced development cycle, minimal delivery times and economies of scale.

Qualified, Low-risk solution

The VISTA 4000 console series has been engineered and built in Barco's tradition of stringent design, extensive configuration control, severe environmental testing and fully controlled production processes. Because of this, VISTA 4000 consoles provide a qualified, low-risk solution combined with lowest cost of ownership.

Why choose VISTA 4000?

- Flexible, split design approach
- Rich choice of functionalities and capabilities
- User-configurable, open standard computing rack
- Full-range of rugged LCDs (from 17" to 21"; optionally 24" and 28")
- Commonality of spare parts (LRU) between all configurations
- Low weight
- Low magnetic signature
- Extensive Built-In-Testing (BIT)
- Cocooning concept protects COTS components from severe environmental conditions



Cabinet configuration



Adjustable displays for optimum viewing angle



Standard 19" rack configuration

Technical specifications Vista 4000 series

GENERAL SPECIFICATIONS

- Main displays: 17" to 21" LCDs
- Modular/tiltable/removable desktop: full size keyboard, trackball, joystick, function keys, audio interface
- Optional desktop with 2 Touch Input Devices possible
- Human factors: MIL-STD-1472D, DIN 33416, DEF-STAN-0059
- Vibration: MIL-STD-167-1 Type 1
- Shock: MIL-STD-810E 50g MIL-STD-901D grade A
- EMI/EMC: MIL-STD-461D
- Degree of enclosure: MIL-STD-108E, 45°
- Power: 115/220 VAC 50-60 Hz
- Noise: 54dB @50°C
- Magnetic signature: Aluminum construction
For others, please consult factory

BASE UNIT SPECIFICATIONS

Cabinet configuration:

- 14-slot PCI chassis (passive backplane)
- Up to four storage devices
- Integrated intelligent thermal management system
- Weight < 143 lbs (65kg)
- Soft mounted

Rack configuration:

- 19" rack Industry Standard
 - 10U total height
 - Configurable connector I/O panel
 - Hard or soft mounted
 - Weight < 143 lbs (65 kg)
- Option for standard or integrated intelligent thermal management system

Pedestal configuration:

- Weight < 44.1 lbs (20 kg)



HMI UNIT SPECIFICATIONS

Single Head Configuration:

- Weight (HMI unit): < 132 lbs (60 kg)
- Dimensions:
 - HMI Unit: 650W x 640H x 950D mm (25.6W x 25.2H x 37.4 D inch)
 - Combined: 650W x 1240H x 950D mm (25.6W x 48.8H x 37.4D inch)

Top-Down Dual Head Short Configuration:

- Weight (HMI unit): < 176 lbs (80 kg)
- Dimensions:
 - HMI Unit: 650W x 1040H x 950D mm (25.6W x 35.0H x 37.4D inch)
 - Combined: 650W x 1650H x 950D mm (25.6W x 64.9H x 37.4D inch)

Top-Down Dual Head Tall Configuration:

- Weight (HMI unit): < 187 lbs (85 kg)
- Dimensions:
 - HMI Unit: 650W x 1040H x 950D mm (25.6W x 35.0H x 37.4D inch)
 - Combined: 650W x 1650H x 950D mm (25.6W x 64.9H x 37.4D inch)

Side-By-Side Configuration:

- Weight (HMI unit): < 220 lbs (100 kg)
- Dimensions:
 - HMI Unit: 1200W x 640H x 950D mm (47.2W x 25.2H x 37.4D inch)
 - Combined: 1200W x 1250H x 950D mm (47.2W x 49.2H x 37.4D inch)



In search of continuous improvement

Ref. D-P-VIS40-0405

Technical specifications are subject to change without prior notice

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