

## Vista 500-700 Compact



### Shelter/Naval rugged consoles for mission-critical environments

The Vista 700 Compact console includes radar client software for radar picture rendering options.



Based on its broad range of rugged visualization component for mission-critical applications, Vista 500 console, has been developed as an advanced rugged working position to equip a Ground Control Station.

VISTA 500 Compact is a console version offering an ergonomic rugged working position for the most demanding Command and Control, re control or situational awareness applications in a con ned space for on board shelter land base or surface ships/submarines systems

VISTA 500 Compact console is fully qualified in terms of vibration, shock and EMI/EMC, so it easily withstands the harsh environmental conditions of a typical shelter/naval environment.



## Shelter/Naval rugged consoles for mission-critical environments



### Display solution

Depending on your application, you can opt for one or two 23" rugged display(s) with HDTV (1920x1080) resolution and an additional 10.1" Rugged Multi-touch input terminal (1280x800 resolution). The main displays can be provided with the P-CAP Multi-touch touchscreen technology.

### Ergonomic Console desktop

VISTA 700 consoles provide an ergonomic Human Machine Interface based on a customizable desktop including :

Fixed part:

- 10.1" Rugged touch input terminal (1280x800 resolution) equipped with Multi-touch touchscreen and ATOM processor unit.
- Stereo audio speakers/amplifier linked to main computer audio function
- Optional secured OLED pushbutton modules (SMARTKEYS) and Audio/Headset devices

Foldable part:

- Rugged backlit keyboard and ergonomic 2"-3 buttons trackball
- Optional Joystick

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### Two System architectures

Depending of the distributed computing systems architecture, the Vista Compact console is delivered in two versions:

- VISTA 500 Compact console: Zero-clients simply provide DP/USB HMI for remote computing (no computer inside).
- VISTA 700 Compact console: Operator console provide dedicated graphics and video processing horsepower for user specific visualization operations such as windowing, rendering, and mixing of multiple data and sensor sources. The integrated computer platform is based on the sixth Generation Intel® Core™ i7 processors with DDR4 memory technology.
- The console is wall-mounted or a pedestal option can be provided

### Features / benefits:

- Slim, compact and modular design, allowing multi-display configurations (single-head, top/down,) and future display integration
- Affordable yet powerful and modular solution for Land-based Shelter and Naval Multi-Function consoles
- Enhanced ergonomics for better user comfort
- Low risk solution with already qualified product line
- One stop shop console offering with networked visualization and recording solutions







Vista 500 Compact	
External interfaces	Up to 2x Display Port (DP) inputs, USB/Ethernet ports for input devices, 1x T1D Ethernet Port 1x Power Input
Vista 700 Compact	
Displays	1x or 2x main 23" displays + 1x 10.1" Touch Input Terminal inside the desktop
Computer performance	Quad Core Intel® Core™ i7-6700 3.4 GHz with 16GB system memory (up to 32GB) SATA3 2.5" 512Go SSD (system disk) Windows 7 - 64 bits and Linux CentOS - 64bits
Graphics	Intel® HD Graphics 530 with up to three graphics outputs
Rear connections	2x 1Gb Ethernet for main computer and 2x 1Gb Ethernet if Touch Input Terminal option 2x RS422/232 ports 1x Power Input
Vista 500-700 Compact	
Input devices	Foldable desktop: Rugged backlit keyboard and Trackball, Joystick in option Stereo Speakers Optional multitouch touchscreen on the main displays, one or two Smartkey modules Optional audio headset connector and external audio input
Dimensions	Top/Down: (WxHxD mm): 600x930x740 (excluding shock absorbers) Single Head: (WxHxD mm): 600x570x740 (excluding shock absorbers)
Touch	Glove compatible projected capacitive multi touch (4 simultaneous touches)
Power	100-240 VAC autorange, 50/60Hz according MILSTD1399 300A&B and STANAG1008 Ed8&9 Optional: 18-32 VDC Power consumption: 300W typical
Weight	Top Down version < 65Kg Single Head version < 50 Kg
System availability	MTBF: Top/down Vista700: GF H24 typ. 6500h @ 25°C (depending of the final configuration)
Shocks operating	MIL-STD-810G Soft mount: 50 g – 6 ms half or 40 g - 11ms half sine Hard-mount: 20 g – 12.5 ms half sine
Vibrations operating	MIL-STD-167-1 Type 1 MIL-STD-810G 514.6 Cat21, 1-100Hz/0.001g <sup>2</sup> /Hz (0.3gRMS), 2h/axis
Vibrations during transportation Non operating	Mil-STD-810 G, Method 514.6, procedure I & II, category 4: truck highways: 1.0g RMS 10-500Hz vertical, 0.2g RMS 10-500Hz transversal, 0.7g RMS 10-500Hz longitudinal, 1h/axe for 1609km
EMI/EMC	CE directive CEM 2004/108/EEC refers to EMI directive. 2006/95/EEC refers to Low Voltage Safety directive MIL-STD-461G Navy ships (surface ships & submarines)
Temperature	JSS5555-2000, High temperature, Test# 17, Procedure 6, Test condition M +55°C Operating +85°C 16h Storage, no operating  Low temperature, test# 20, Procedure 4, test condition J & K -20°C operating (depending of computer configuration) -30°C 16h storage, no operating
Humidity	MIL-STD-810G 95% @ 30°C non condensing according MIL-STD-810G Meth 507.5 fig 507.5-7
Drip Proof	MIL-STD-810G: Meth 506.5 Proc.III Tilting up to 45°
Fungus/Salt fog	MIL-STD-810G Meth 508.6: no materials that would promote fungus growth are used. Meth 509.5: test on separate parts
Acoustic noise	MIL-STD-740-1 <50dbA @ 1 m



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