

## Operator Console (OPCON)

Operator Consoles are ergonomic multi-function Human Interaction Equipment the distributed architecture of Ship Combat Management Systems. protection for the COTS equipment housed within, per the relevant military standards. **YALTES OPCON** provides;

- multiple data entry, display and control devices
- redundant data network and versatile video network interfaces
- extensive console monitoring and control functions
- powerful computing facilities for CMS applications
- ease of access, maintenance and repair
- stable and rugged mechanical structure

Design philosophy focuses on providing flexibility in equipment choice and special arrangement as well as changes in functionality without sacrificing ergonomi considerations or adherence to military standards.

**YALTES** can tailor the basic form OPCON to suit CFE/GFE constraints, space limitations or additional capabilities.

On the other hand, with its highly experienced and skilled design team and streamlined processes, **YALTES** can also offer fully custom solutions, based on specific customer requirements.

Along with the above HMI equipment supply, **YALTES** can likewise provide;

- comprehensive integrated logistic support, including obsolescence management
- ship installation and integration support
- all additional integral components of the CMS (data and video network, subsystem interface and adaptor units, sensor/weapon integration cabinets etc.)



### Operator Console Technical Data (Typical values)

**User Interface:** Keyboard, Trackball, Quick Entry Pad,  
dual 20" LCD, protected keys,  
Joystick (optional)

**Outputs:** - TV-Radar Video Display & Record.  
- Map Interlacing  
- Operational Status Warnings  
- External interface to Data and  
Video networks via Mil-Std-38999  
connectors

**Consol Control and Monitoring:** CCS Tool

**Power:** 115 Volts, 60 Hz. UPS 1500VA  
220 Volts, 50 Hz (option)

**Dimensions (WxDxH):** ~ 80x130x160 cm.

**Weight:** ~235 kg. (With typical payload)

### Environmental Performance Assured (Varies with the enclosed unit specs)

Storage Temp.	-10 to 70 deg.C	Mil-Std-810F
Operating Temp.	0 to +35 deg.C	Mil-Std-810F
Humidity	90% at 40 deg.C	Mil-Std-810F
Shock	20 g /11 ms	Mil-Std-810F
Rain(Drip Proof)	15 deg. inclined	Mil-Std-108E
Vibration		Mil-Std-167-1
Noise	54 dB(A)@1 mt.	Mil-Std-1474D
EMI/EMC(Surface Ship)		Mil-Std-461E

**"In service onboard Turkish Navy G-Class Frigates"**