



# IBDC

## INTEGRATED BRIDGE DISPLAY CONSOLE



FITTED ON THE "HORIZON" FRIGATES

## Description

## MULTIFUNCTIONAL CONSOLE FOR NAVIGATION MANAGEMENT

## TECHNICAL SPECIFICATION

Display	Two 23" LCD monitors, Si/TFT technology, 1600x1200 pixels resolution
Control desk	ECDIS: 1 QWERTY keyboard, 1 trackball RADAR: 1 programmable "touch screen" keyboard, 1 trackball
Processor	ECDIS: PC Pentium-IV, 2.4 GHz
RAM Memory	ECDIS: 512 MB SDRAM
Backplane	N.2 VME64x Bus in 2 racks. Extractor and tracker module
Operating System	SUN Solaris ver. 8.0, patch 21
Graphic Processor	PCM "Dual-head" graphic adaptor, with 1 16 MB SGRAM/channel and RGB video resolution better than 1900 x 1200 pixels
Hard disk	ECDIS: 80GB slim hard disk, IDE interface
Additional Memory support	Driver CD-R/RW capable of all format read/write functions. It supports 1 5.25" reader on the front panel
UPS	ECDIS: battery 12V, 4 Ah
Floppy	3,5" slim floppy drive
Diagnostics	Built-in test equipment (BITE) for hardware checking and fault isolation
Power Supply	220 VAC or 115VAC, single phase, 50/60 Hz 3.0 KVA Power Consumption Power Distribution Unit and 2 VME modules

## ENVIRONMENTAL REQUIREMENTS

Operating range of temperature	From 0°C to +50°C
Storage range of temperature	From -40°C to 70°C as per MIL-STD 2036 par. 5.1.2.17.1
Humidity	More than 80% at +40°C non-condensing
Salt	MIL-STD-2036 par. 5.1.2.12.2
Vibration	MIL-STD-167-1:14-100 Hz, Ampl. 0.2g peak
Drip-proof	MIL-STD-108E
Shock	0.5 sine, 30 g for 11 millise-conds
Safety	MIL-STD 2036 par.4.10
EMI	MIL-STD-461 E

## DIMENSIONS

Height	1380 mm
Width	1230 mm
Depth	730 mm
Weight	430 Kg

## AVAILABLE INTERFACES

N. 3 Ethernet 100BaseTX interfaces

N. 1 RS/422 serial port

This brochure should not be considered a contractual offer. The specifications given herein may be changed by the manufacturer, GEM elettronica, without notice.

