

10.4" Multi Function Display

Nir-Or's family of Multi Function Display Units (MFD) suits a broad range of Ground and marine applications.

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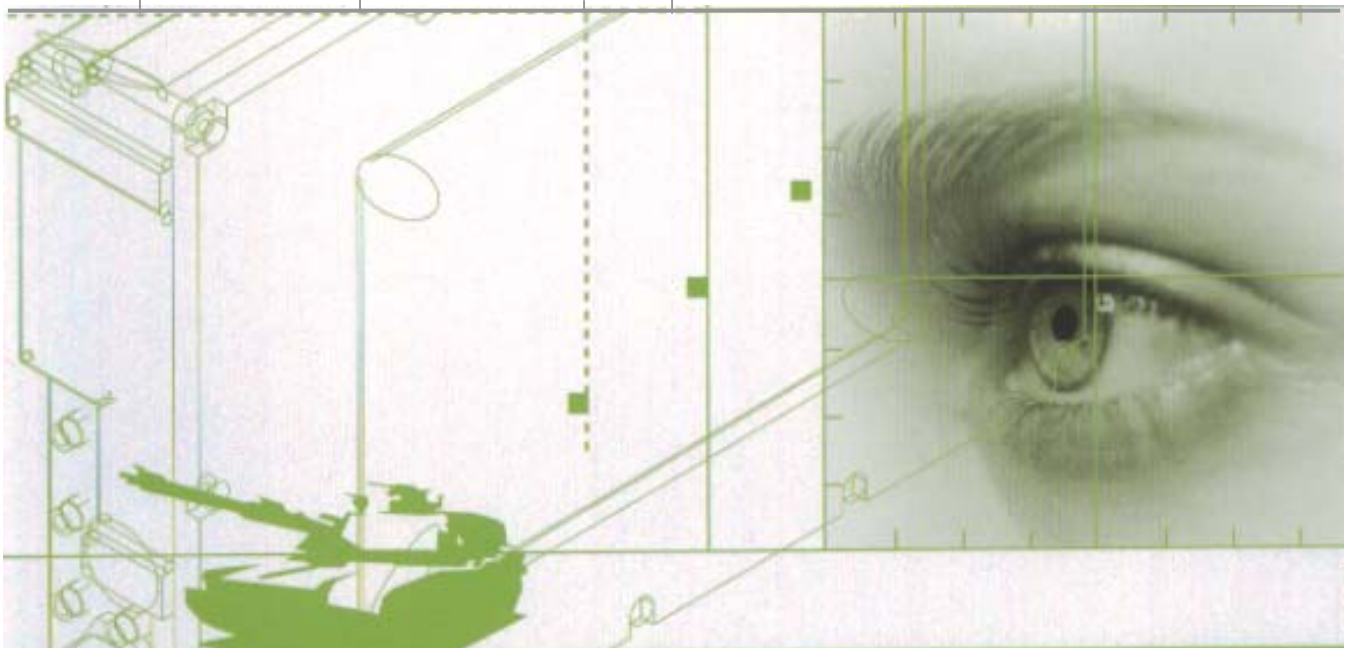
The MFD is a high quality ruggedized Display Unit for armored vehicles or as fully weather-resistant marine use.



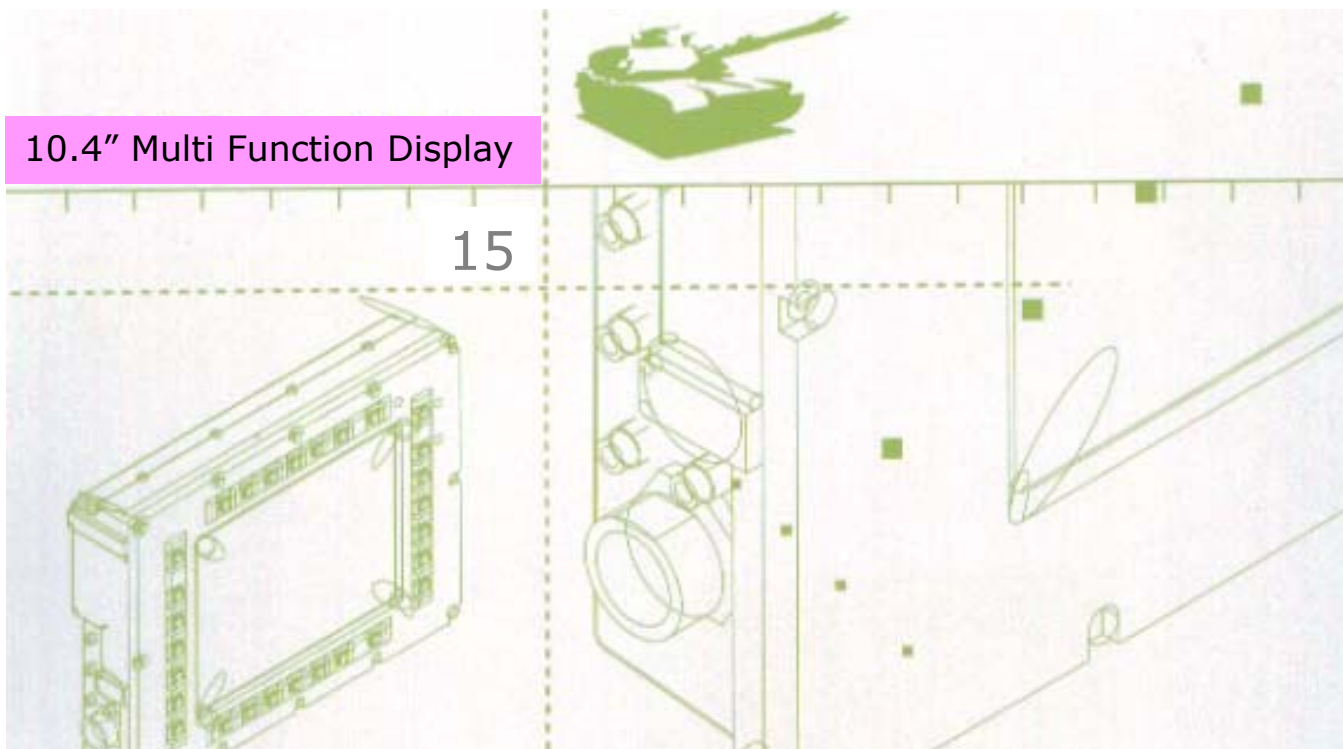
The MFD features a 6" x 8" Color Active Matrix LCD, with high brightness and contrast and wide viewing angles. Backlight provides excellent readability in direct sunlight. Various multi-key bezels of operator and display interface enable fitting in a range of system architectures.

As an option, the display enables simultaneous display of one or two composites NTSC or PAL video windows, flexible size adjustment (up to full screen) and placement of video windows atop a standard PC (VGA) analog display.

All products are designed and manufactured to specific customer requirements they are adaptable to various video, communication sources, and standards, and can be fitted in a variety of mechanical envelopes.



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Specifications

Catalog No.	Display				Unit Dimensions			
	Diagonal	Display Area H" x V"	Standard	Resolution H" x V"	Height Inch/mm	Width Inch/mm	Depth Inch/mm	Weight Lb/Kg
MFD-1004	10.4"	8" x 6"	VGA	640 x 480	10.4 / 264	13.8 / 350	2.95 / 70	11.8/5.6

Power input	18-32V MIL-STD-704D
Power consumption	50W MAX at full intensity
Serial communication	RS422, RS232
Signal & Video connectors	D38999/ Type
Frame rate	50 up to 60 fields/sec.
Video standard	Composite video in PAL or NTSC (Option VGA)
Aspect ratio	3:4
BIT	Microprocessor controlled Built-In Test capability
Brightness	0.05 to 180fl
NVG compatibility	(Option) Class B
Viewing angle	Horizontally $\pm 45^\circ$ Vertical $\pm 30^\circ$
Color capability	256,000 colors (6 bits each color)
Gray shades	64 Levels
Operating temperature Range	- 30°C to +55°C
EMC EMI	MIL-STD-461C, MIL-STD-6051D
Environmental condition	MIL-STD-810C/D
MTBF	Over 5000 hours (calculated per MIL-MDBK-217E)
Function keys	24 illuminated soft keys for system control

