

**Marine monitors with full flexibility**

The N-line marine monitors are developed by a leading European manufacturer with more than a decade of experience in design and production of marine monitors. This ensures meeting the demands of today's professional applications. The most facilities for design and engineering are in-house.

**IEC60945 approved**

The N-line marine monitor series are approved through the Lloyds Register type approval system. Standard features are:

- IEC 60945 approval
- Full-glass panelmount construction
- IP66 front sealing
- One button front control
- Inputs for VGA, DVI-D, HDMI and PAL/NTSC signals
- High brightness LED backlit TFT panel (800 cd/m<sup>2</sup>)
- Optical Bonding
- Wide range DC input 9-34 Vdc
- Optional Projected capacitive (PCAP) touchscreen

The monitors are fit with a decoder knob at the front surface. Via this knob you will have full control of on/off, deep dimming, source-select and OSD through just this one control.

All models within the N-line marine are based on the same concept. Already available are the 15.0", 17.0", 19.0" and 24.0" versions. Other sizes will be available soon.

Since all features are part of the in-house activities, it brings full flexibility to provide the correct product for a given application. Additional to above features it is possible to have:

- Transflective enhancement
- Different glass finishing
- Remote control

If you have any question or special request, feel free to ask our experts.

**19" Marine Display**  
**Panelmount**  
**N190KGE**



(Picture: 19" version)

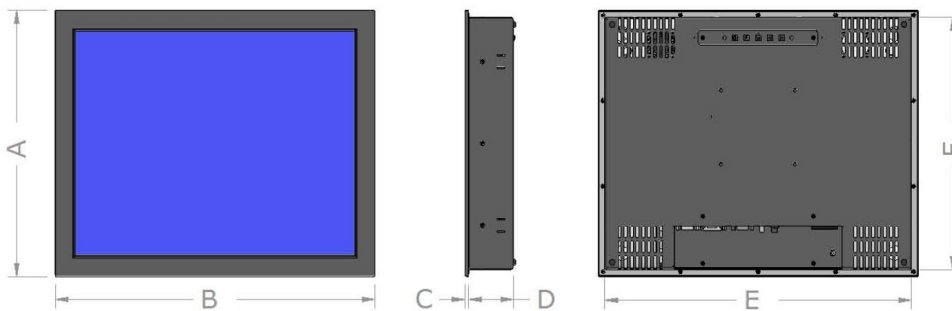


Specifications: see next pages

Specifications		
Display	TFT Max. Resolution Pixel pitch Active Display Area Aspect Ratio Contrast Ratio Native Brightness Viewing Angles (at CR>10) Number of Colours	a-Si TFT Active Matrix 1280 x 1024 pixels 0.294 mm 376.3 x 301.1 mm 5 : 4 1500 : 1 800 cd/m <sup>2</sup> typical 178°H, 178°V 16.7 Million
Enhancements	Optical Bonding Dimming backlight	To avoid dust and minimize reflections Encoder knob
Power Supply	9 - 36VDC	Screw Connection
Signal Inputs	Analog Digital PAL/NTSC video	D-sub HD15 (VGA) DVI-D & HDMI Qinch, with optional BNC adapter
Environmental	Operating Temperature Storage Temperature	-20 ~ 70 °C -20 ~ 65 °C
Mechanical	Chassis IP-rating (front only) Weight	Steel IP66 T.B.D.
Touchscreen *	Technology Communication Connection	Projected Capacitive USB USB B-type
Further options *	Transflective Enhancement * AR/AG Glass *	For sunlight readability To minimize reflections
* = Optional		

Specifications are subject to change without notice.

Part numbers		
Panelmount with Full Glass front	N190KGE	Glass front with integrated front control



Dimensions	
A	377.2 mm
B	432.6 mm
C	5.8 mm
D	61.0 mm
E	414.6 mm
F	359.2 mm

## • Monitors

Desktop Monitors  
Large screen Monitors  
Custom-made Monitors  
19" Rack Mount Monitors  
Rear Mount Monitors  
Monitors for Panel Mount  
Monitors for VESA Mount  
Kiosks  
Accessories

## • Monitors – Specific applications

Stainless Steel Monitors  
Car Displays  
Marine Monitors  
Military Monitors  
Replacement Monitors  
Train Monitors

## • Panel PC's

High Performance Systems  
Custom made Panel PC's  
Low Power Systems  
Extreme environments

## • Pointing devices

Accessories  
Touchpads  
Trackballs  
Trackball Modules  
Joysticks  
Custom made Pointing Devices

## • Keyboards

Desktop Keyboards with or without pointer  
Built-in Keyboards with or without pointer  
Cables & Connectors  
Custom made Keyboards



Mulder-Hardenberg, est. 1927, is the answer to professional demands in the domain of electronic related environments. We don't just sell products. We use our multidiscipline knowledge to provide the best possible solution, designed to your specific interest.

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