Industrial monitors with full flexibility

The NRN line monitors are manufactured by a leading European company with more than 12 years of experience in design and manufacturing of industrial and marine monitors. This ensures meeting the demands of today's professional applications. The most facilities for design and engineering are in-house.

Display- enhancement (optical bonding) and touch screen integration (lamination) are also part of the in-house activities. This brings full flexibility in the features needed for a given application. With business partners for industrial computing most projects with touch displays can be realized, even with integrated PC (Panel-PC).

With the new series of monitors, the NRN-Line, special attention has been taken regarding robustness in a stylish housing. All models within the NRN-line are based on the same concept chassis and can be configured to your needs and all options are available on each model. Below you can find some examples

- Switching between VGA, DVI-D, HDMI and PAL/NTSC inputs
- Metal bezel or Full-glass version
- Projected capacitive (PCAP) or Resistive touchscreen
- High brightness version (1000 cd/m²)
- Transflective enhancement
- Deep dimming backlight with front or external control
- Optical Bonding
- Wide range DC input
- Stainless steel front on the Panelmount units
- Rugged desk stand for VESA mount units available
- Further customized version on request

The OSD standard is setup via rubber buttons at the rear side of the monitor. The extended versions however can have an additional source select button via capacitive sensor integrated in the glass. The versions with a decoder at the front surface, can have full control of source-select, dimming, on/off and OSD through just this one control.

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

IEC60945

As an option, the panel mount (extended) glass models can be supplied with IEC 60945 certification. In this configuration not all options are available.

10.6" Industrial LCD Display

panelmount, chassis **NRN106**



Glass Panel Mount

Metal Panel Mount

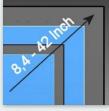


Glass Desktop



Metal Desktop





Wide Range



Control



Flexible I/O

Specifications: see next pages



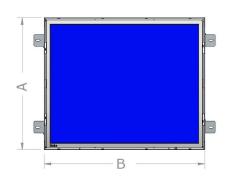
HUMAN/MACHINE INTERFACES & MONITORS

Chassis and Panelmount versions

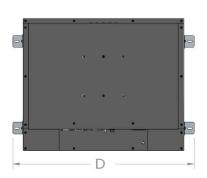




Rear Mount Chassis

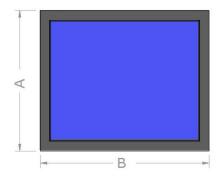




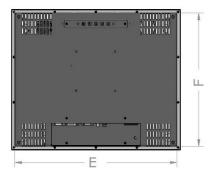


Dimensions				
А	173.0 mm			
В	265.6 mm			
C	59.0 mm			
D	318.6 mm			

Panel Mount







Dimensions				
А	195.6 mm on versions P, PG			
В	288.2 mm			
C	5.0 mm on versions P, PE			
	5.8 mm on versions PG, PGE			
D	61.0 mm			
Ε	270.2 mm			
F	177.6 mm on versions P, PG			

HUMAN/MACHINE INTERFACES & MONITORS

Specifications			
Display	TFT Max. Resolution Video Pixel pitch Active Display Area Aspect Ratio Contrast Ratio Native Brightness Viewing Angles (at CR>10) Backlight life Number of Colours	a-SI TFT Active Matrix 1280 x 768 pixels WXGA 0.180 mm 231 x 138 mm 5 : 3 1000 : 1 1000 cd/m ² 170°H, 170°V 50.000 hours 16.7 Million	
Enhancements	High Brightness * Transflective Enhancement * Optical Bonding * AR/AG Glass *	1000 cd/m² typical For sunlight readability To avoid dust and minimize reflections To minimize reflections	
Power Supply	90 - 265VAC, 50/60Hz 12VDC 9 - 36VDC *	Separate Power Pack (50W) Standard DC jack Screw Connection	
Signal Inputs	Analog Digital PAL/NTSC video	D-sub HD15 (VGA) DVI-D & HDMI Qinch, with optional BNC adapter	
Dimming Backlight *	Integrated dimming External Dimming Central Dimming Auto dimming	Potmeter, Encoder Potmeter, Encoder, +/- Buttons External potmeter, Voltage 0-5VDC External light sensor	
Touchscreen *	Technology Communication Connection	Projected Capacitive, Resistive USB, RS232 USB B-type, 9p D-sub	
Environmental	Operating Temperature Storage Temperature		
Mechanical	Chassis VESA and Panelmount IP-rating (front only) Weight	Aluminium Steel, Black powder coated RAL9005 IP65 (metal front versions) IP66 (full glass front versions) T.B.D.	
* = Optional			

Specifications are subject to change without notice.

Part numbers				
Rear mount Chassis Panelmount with Metal front	NRN106C NRN106P NRN106PF	Extended front with front controls		
Panelmount with Full Glass front	NRN106PG NRN106PGE	Extended front with front controls		

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



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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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