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
- 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!

42" Industrial LCD Displays VESA-, Chassis NRN420 Series

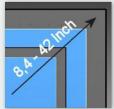




Glass Desktop

Metal Desktop





Wide Range





Control

Flexible I/O

Specifications: see next pages

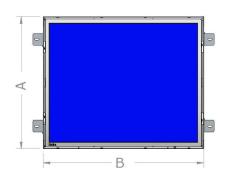


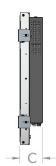
HUMAN/MACHINE INTERFACES & MONITORS

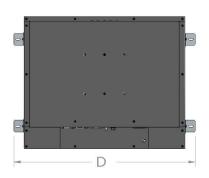
Chassis and VESA versions



Rear Mount Chassis

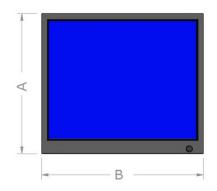


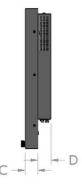


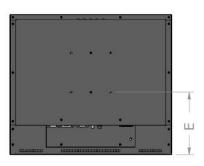


Dimer	Dimensions		
А	567.1 mm		
В	974.2 mm		
C	86.5 mm		
D	1027.2 mm		

VESA Mount







Dimer	Dimensions		
А	569.9 mm on versions V		
В	977.2 mm		
C	5.0 mm on versions V, VE		
D	61.0 mm		
Е	207.5 mm		
VESA	600x200 M6		

HUMAN/MACHINE INTERFACES & MONITORS

Specifications				
Display	TFT Max. Resolution Video Pixel pitch Active Display Area Aspect Ratio Contrast Ratio Brightness Viewing Angles (at CR>10) Backlight life Number of Colours	a-SI TFT Active Matrix 1920 x 1080 pixels Full HD (1080) 0.484 mm 930 x 523 mm 16 : 9 4000 : 1 500 cd/m² typical 178°H, 178°V 50.000 hours 16.7 Million		
Enhancements	Transflective Enhancement * Optical Bonding * AR/AG Glass *	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	0 ~ 50 °C -20 ~ 65 °C		
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	ımbers			
Rear mount Chassis VESA mount with Metal front	NRN420C NRN420V NRN420VE	Extended front with front controls		
VESA mount with Full Glass front	NRN420VG NRN420VGE	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



mulder-hardenberg

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.

Contactdetails:

The Netherlands Mulder-Hardenberg B.V. Westerhoutpark 1a 2012 JL Haarlem Tel.: +31 23 531 91 84 infonl@m-h.biz

Belgium, France, Luxemburg Mulder-Hardenberg N.V. Hoge Weg 129 B-2940 Stabroek Belgium Tel.: +32 3 660 13 20 infobe@m-h.biz

Germany Mulder-Hardenberg GmbH Nordring 13 D-65719 Hofheim/Ts Tel.: +49 6192 - 97 91 85 infode@m-h.biz