N190DE Industry Monitor

Productsheet N190DE (2021-08)

Dutch design & production

N-Line VESA Mount (Desktop)

VESA Mount monitors are desktop monitors, suitable for the industrial environment. The monitors are made of metal. The LCD surface is protected by anti-reflection glass, which is sealed IP65 by use of a rubber sealing. The N-stand and V-stand are optional, but the VESA connection on the back makes it possible for almost any monitor arm to be used.

Panel:

Display	19.0 inch
Active area HxV	376.32x301.06
Aspect ratio	5:4
Resolution	1280x1024
Viewing angle U/D/L/R	89/89/89/89
Contrast ratio	900
Native Brightness (cd/m²)	330
High Bright [1] - *option*	1500

Video inputs:

HDMI	V
DVI-D	V
VGA	V
CVBS (BNC)	V

Power input:

12VDC (Desktop PSU 115/230VAC)	V
9~36VDC (Galvanic isolated)	O (2p screw)

Touchscreen:

Resistive (USB & RS232)	O
Projected capacitive (USB or RS232)	O

Environmental:

Operating temperature (°C)	-10 to 70
Protection rate front (IEC 60529)	IP65

V = standard | x = not available | O = Optional

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Controls:

On-front dimming	x
External dimming	O
Light Sensor Auto Dimming	x
RS-485 NCOM	O
NControl	O

Certificates:

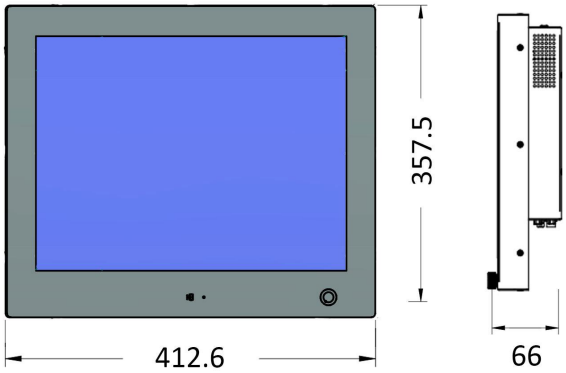
CE	V
IEC60945	x
DNVGL	x

Optional enhancements:

High Bright LED [1]	O
Anti Glare Glass [2]	O
Optical Bonding [3]	O

Dimensions:

Unit WxHxD (mm)	412.6x357.5x66
Packaging WxHxD (mm)	610x440x150
Weight (without options) (kg)	5,8
Weight (incl. all options) (kg)	7,0
Weight (incl. packaging) (kg)	11,0
Mounting pattern (VESA)	V (100x100 - M4)



1) High Bright

The deployment of High Bright LED ensures that monitors can be read, also in case of extremely bright (sun)light. Where a standard monitor provides about 400 nits of light output, the upgrade to high bright LED could achieve 1500 nits or more. This option is often applied in combination with Optical Bonding.

2) Anti Glare Glass

Anti Glare glass is a float glass with a high resolution and no reflective effect. The glass is almost free from any bothersome reflection. It is suitable as a mountable lens for high resolution screens and premium displays.

3) Optical Bonding

During Optical Bonding a gel coating is applied between the LCD surface and the glass. As a result, the lack of extra light refraction becomes the main feature, in addition to the advantages of absence of dust and moist, as also resistance to vandalism. Another major advantage is the faster heat drainage. In terms of image, the contrast and brightness are enhanced. A clear image is created when a combination is made with one of the other techniques.

V = standard | x = not available | O = Optional