N150V Marine Monitor

ref: PS-N150VmV2

N-Line V-Model

Dutch design & production

Nottrot BV is a premier manufacturer of top-tier industrial and marine monitors. Proudly assembled and tested in the Netherlands, our products are shipped worldwide, ensuring quality and reliability no matter where you are. Our versatile V- and R-models, designed for industrial applications, excel in a variety of settings—from machine frames to construction yards, server rooms, and beyond. Built to withstand the toughest environments, these robust monitors are the epitome of durability and performance. The V-models, featuring convenient mounting screws on the back of the front, are perfect replacements for our renowned Vision I-K models, ensuring seamless integration and superior functionality.

Link to product page

Panel

Display	15.0 inch
Active area HxV [mm]	304.1x228.1
Aspect ratio	4:3
Resolution [Pixels]	1024x768
Viewing angle U/D/L/R [deg]	88/88/88/88
Contrast ratio	2500
Native brightness [cd/m²]	500
High Bright [cd/m²]	1500 (1

Mechanical

Unit WxHxD [mm]	428x333x66
Weight (incl. options) [kg]	4.8
Mounting pattern (VESA)	V (100x100 - M4)

Input sources

HDMI	V
DVI-D	V
VGA	V
CVBS (BNC)	V
HD-SDI	O

Power input

12VDC (Desktop PSU 115/230VAC)	V
9~36VDC (Galvanic isolated)	O (2p screw)
Max. power native brightness [Watt]	17
Max. power high bright [Watt]	44

(V = standard | O = option | X = not available)

Optional enhancements

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

Touch screen:

Resistive (USB & RS232)	O
Projected capacitive USB (RS232 on request)	O

Dimming controls

On-front dimming & control knob (Encoder)	O (4
External dimming & control knob (Encoder)	O
External dimming potentiometer	O
External 3 button dimming & control	O
Deep Dimming 0-100%	V
Light Sensor Auto Dimming	X

Interfaces & remote controls only with option dimming

RS485 NCOM	O (5
NControl	O (6

Standards & Compliancy

CE	V
IEC60945	X
DNV TA certificate	X
ECDIS	X

Ordering information
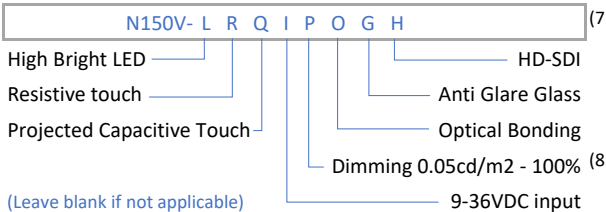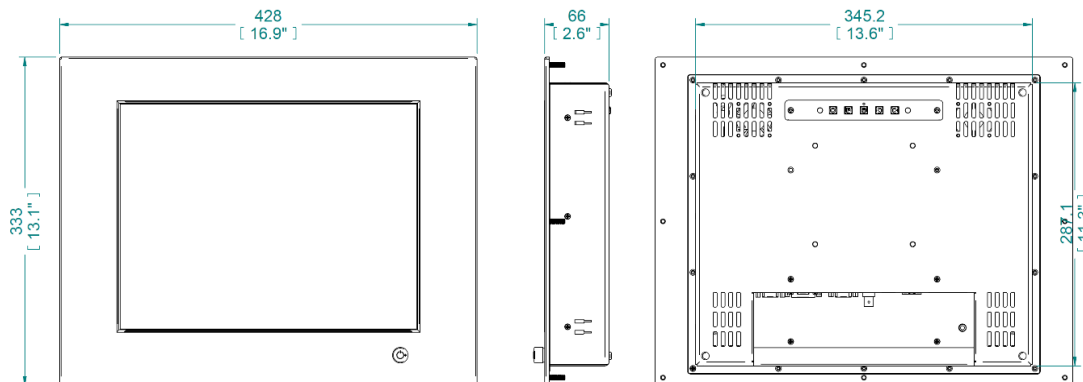
N150V- L R Q I P O G H (7

High Bright LED
Resistive touch
Projected Capacitive Touch
HD-SDI
Anti Glare Glass
Optical Bonding
Dimming 0.05cd/m2 - 100% (8
9-36VDC input

(Leave blank if not applicable)

1) The option 'High Bright' ensures that the monitor is easy to read, even in 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 (AG) glass is a float glass with single surface micro-etching and non-sparkling effect. The etching dulls the surface very slightly and eliminates annoying reflections almost completely. When applied together with Optical Bonding there is a maximum reduction of reflections, since Optical Bonding dissolves reflections on the rear side of the glass and LCD surface.

3) With the Optical Bonding option, the gap between the LCD surface and the glass is filled with a gel-like adhesive. This eliminates the two surfaces of LCD-AIR-GLASS and reflections will no longer occur and this will improve brightness and contrast significantly. Another advantage is that dust and moisture have no chance to get between the glass and LCD. Optical bonding applied with AG will result in a crystal clear image of superior quality.

4) All dimming controls only applicable with option dimming selected.

5) NCOM is a serial interface and offers the possibility to set the monitor parameters and dimming with an external controller (PC/PLC). Up to 12 monitors can be daisy chained and controlled simultaneously.

6) The NControl is a small programmable control unit with 4.3" touch screen that communicates with the N-Line monitors using the RS485 NCOM protocol. This makes it very easy to make settings (within seconds) and save them in presets. Ask your sales representative for more information.

7) These are standard options. Not all options may be available for this product. Please check the data in this productsheet and contact us if you are in doubt.

8) By default the brightness level is adjusted with a dimming encoder knob. Contact us for other available options such as a light sensor, analog input, potentiometer and central dimming. Minimum brightness may vary.

Outline dimensions:

This image pertains to outlines only in mm (Inch). Download the dimensional drawing for detailed information.

(V = standard | O = option | X = not available)

Additional system information:

All N-Line monitors can be ordered with the option "*dimming*" *(Option P)* . This option comes with a variety of extra features and options for dimming control and RS485 connectivity to set display parameters as shown in image below. Make presets within seconds with the NControl and control all display parameters from a PC or PLC with the NCOM RS485 protocol. All control parameters can be set with the NCOM app. Please contact your sales representative for more information and order details.

Remote dimming and display parameter control

NControl	NC43
USB-RS485 conv.	0901651-x1

On-front dimming, Power and OSD control

Encoder	Standard on NxxxKGE
	and NxxxDE-maritime models

Integrated light sensor, only available on NxxxKG

Light sensor	Light sensor

External control available on all N-Line monitors

Encoder	0901600t-a-x2	(1
Potentiometer	0901600t-b-x2	(2
3-button	0601600t-c-x2	
1:1 Cat5-splitter	0901600z-x1	

1) Not in combination with on-front encoder on NxxxKGE

2) The external potentiometer is a plug&play solution for central dimming. (from July 2022)