AG neovo

DISPLAYS IN MARINE ENVIRONMENTS

ABOUT AG NEOVO

AG Neovo is a world-leading provider of display devices for both professional and consumer markets. The company, founded in 1999, is headquartered in Taipei, Taiwan and has offices throughout Europe, Asia and North America. Deriving its name from the Greek words Neo and Vo meaning New Vision, AG Neovo is one of the first in the industry to envision greater possibilities for display devices.

Today, AG Neovo displays can be found in environments as diverse as police stations, marine vessels, museums, science labs, hotels, classrooms, airports and hospitals. The company's commitment to designing display devices that answer to the functional and aesthetic demands of multi-user and public environments like these have made AG Neovo the choice of professionals from a variety of industries.

THE DISPLAY CHOICE OF PROFESSIONALS™

TECHNICAL SOLUTIONS AT SEA

Through out history the marine industry has been developing bigger
and more sophisticated vessels and systems to control them.
Over the last 10-15 year especially technology has been developing
fast and today it has become one of the most important features for
the fishing fleets.

The maritime environment has a high demand for reliable hardware.
The ever-increasing size and sophistication of vessels alongside the
evolution of technology on board has become fundamental to the
marine industry.

Investments in technology are rapidly increasing. Selective fishing
gear, crucial to the EU's 2015 landing obligation to reduce unintended
catches aren't free. Neither are the navigation and tracking systems
that are essential for complying with fishing quotas, generating reports
and tracking shoals. They are however, a vital component as we
reduce the environmental impact and energy consumption of vessels.
Technology and research are slowly making the fishing industry more
and more sustainable.

PREMIUM DISPLAYS DESIGNED
FOR HARSH ENVIRONMENT

Safety and navigation are two of the most important factors in any marine expedition.
Every piece of equipment, large and small has to be able to perform whilst withstanding the
pressure of a hugely demanding environment. This is especially true when it comes to electronics,
including displays. Reliable and robust are two words closely associated with AG Neovo displays in
the security sector and they are two reasons why AG Neovo displays are also a perfect fit for the marine
sector.

Metal casing and NeoV™ Optical Glass protect AG Neovo's Displays from demanding environments with high levels of humidity and saline.
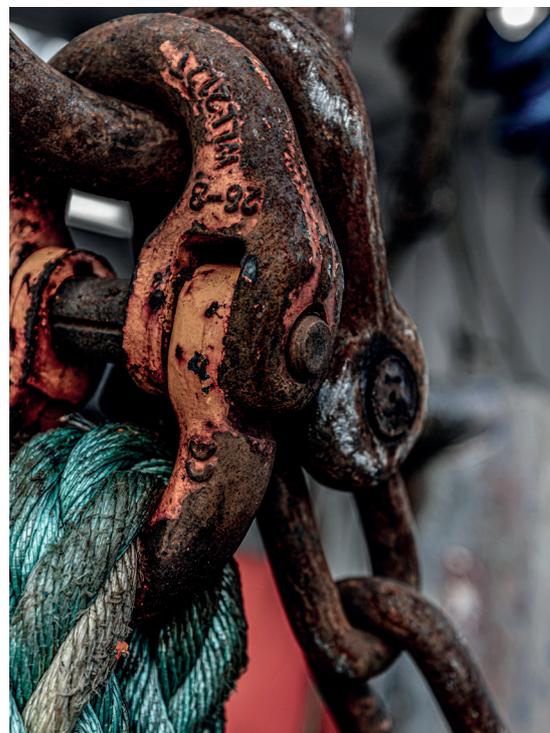
SX-SERIES

MADE TO MEASURE IN TOUGH ENVIRONMENTS

Enhanced gamma correction, black-level alignment, and analogue image adjustment capabilities enable the SX-Series to display an upgraded level of surveillance. Image clarity is enhanced even in the dark with the new Night Mode featuring a low back light. Yet this and many other advances in the SX-Series' capabilities have not affected its consistent exterior design, which makes extensions and replacements easy. This 4:3 aspect ratio display is perfect for those harder to access environments on any vessel.

- NeoV™ Optical Glass protects the screen from scratches and other damages
- Night Mode feature for low back light
- Black-level alignment for presenting the delicate detail of darkness
- Anti-Burn-in™ technology
- EcoSmart Sensor detects ambient lighting conditions and automatically adjusts the brightness levels
- Selectable aspect ratio and zoom function for ultimate image size
- Mounting: VESA for easy installation
- Adjustable VGA/DVI input settings for analogue images
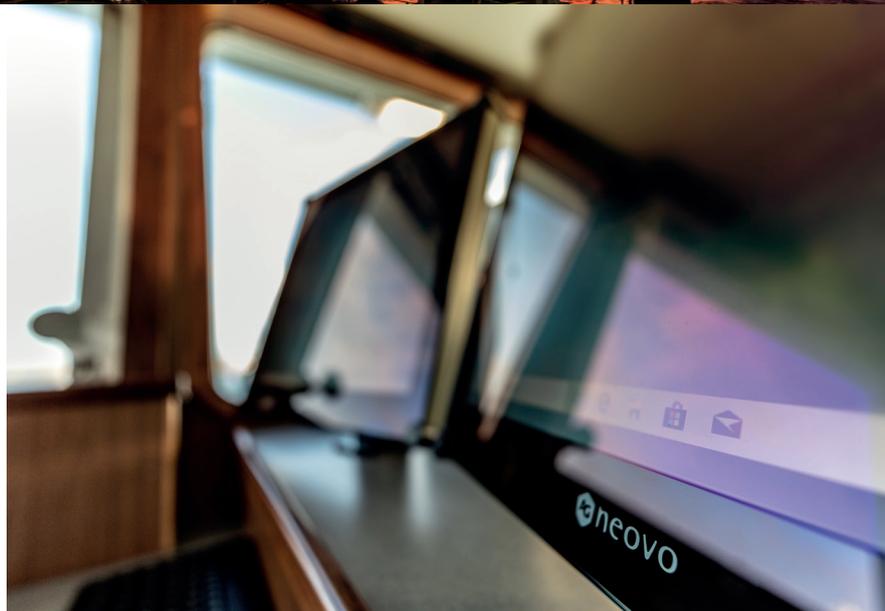- Versatile inputs: VGA, DVI, CVBS (BNC x 2), HDMI, S-Video & DP

> "The unique and well-known design of the SX-Series ensures that extension or rebuild of an existing installation still has the same homogeneous appearance."
>
> JOHNNY LAULUND JØRGENSEN , ISBAK MARINE SERVICE

NeoV™ Optical Glass is robust and reliable, perfect for harsh environments such as the deep blue sea.

Anti-Burn-in™ Technology and AG Neovo's new Night Mode make sure the RX-Series' specialised image settings have 24/7 enhanced colour, brightness and contrast ratio.

RX-SERIES
BUILD TO LAST AND PERFORM

With its specialised gamma correction and black-level alignment, the enhanced RX-Series renders images of the highest quality even under unfavourable lighting conditions. Perfect for any time of the day or night, the RX-Series' Anti-Burn-in™ Technology and its new Night Mode add to this already durable display. Even in the roughest seas, the NeoV™ Optical Glass and the robust metal housing will make sure that operations continue, thus enhancing the safety of your vessel.

- NeoV™ Optical Glass protects the screen from scratches and other damages
- Night Mode feature for low back light
- Black-level alignment for presenting the delicate detail of darkness
- Anti-Burn-in™ technology
- 3D Comb Filter/ Deinterlace/ Noise Reduction/ Freeze
- EcoSmart Sensor for low watt power consumption
- Selectable aspect ratio and zoom function for ultimate image size
- Mounting: VESA for easy installation
- Adjustable VGA/DVI input settings for analogue images
- Versatile inputs: VGA, DVI, CVBS (BNC x 2), HDMI, S-Video, DP 1.2a & RS-232

As is only to be expected, the reliability of all equipment in the marine sector hinges on their capability to withstand a hugely demanding environment.

NeoV™ Optical Glass front, metal housing, the new Night Mode featuring a low back light, the possibility of four split screens on the QX-series and the easy integration of the SX- and RX-Series are just some of the things that make AG Neovo displays the perfect match for the marine sector.

"We rely on technology in all walks of life and reliability is the most important factor for technology on vessels of all sizes."

PETER FUGLSBJERG, SEATECH

AG NEOVO, SEEING THE
SEA IN A DISPLAY OF CLARITY

QX-SERIES
MULTI-SCREEN, 4K UHD DISPLAY

The QX-Series multi-screen capable UHD (Ultra-High-Definition) displays are designed for demanding environments. Gathering reports and statistics as they come in can be the difference between a successful and a failed mission at sea. Multi-screen viewing enables simultaneous display of multiple signals. The four 1080p split-screens on one display optimizes the workflow. When you need to revert to one screen with 4K UHD clarity, you can use the PID-Command tool or the IR (Infrared) remote to switch back.

- NeoV™ Optical Glass protects the screen from scratches and other damages
- Low backlight by Marine Firmware
- Black-level adjustment for presenting more details in dark images
- Anti-Burn-in™ technology prevents image ghosting
- 4K UHD 3840 x 2160 resolution
- PiP/PbP functions enable multi-source viewing simultaneously
- Blue-light filter reduces eyestrain after long periods of use
- Mounting: VESA for easy installation

Multi-screen viewing makes it easy to perform four tasks at once while at sea.

" In the toughest moments, you need to be on top of everything at once. The four split feature on the AG Neovo QX-Series allows us to do just that."

KASPER BYSKOV, VEST-EL

CUTTING-EDGE NeoV™ OPTICAL HARD GLASS

Designed specifically to address the challenges of xtreme conditions, NeoV™ Optical Glass is a specially formulated, hardened optical glass – with proprietary multilayer coating – to enhance image quality, and protect the panel from any incidental damage incurred in high-volume environments.

The NeoV™ Optical Hard Glass adheres to a stringent manufacturing process that hardens the glass for added strength and quality. With NeoV™ Optical Hard Glass, the glass attains a measurement of 6 on the hardness scale. This hardness will protect the panel from dirt, repetitive touching and other accidents that can damage the LCD panel's fragile membrane.

Taking safety concerns into consideration, NeoV™ Optical Hard Glass prevents panels from physical damage caused by an accidental crash; resist forces up to 227g steel ball free-falling from a height of 200cm.

WATER AND DUST RESISTANCE
*Water and Dust Resistance protect panels
from dust and water; prolong displays life
performance in dusty and damp environments.*

With 98.6% transmittance and minimised reflection, NeoV™ Optical Hard Glass provides nearly perfect brightness and contrast for the panel. In typical glass, the transmittance is 91%. Both the transmittance and reflectance can be custom-made to fulfil various environmental and customer needs.


IMPROVED VIEWING COMFORT
*Through NeoV™ Optical Hard Glass, bright,
vivid colours are less harsh, reducing eye
fatigue during extended reading periods.*

ANTI-REFLECTION
The NeoV™ Optical Hard Glass possesses a multi-layer coating. It is capable of decreasing glare and reflection from 8% to 0.86%, which results in a 89.3% visual improvement.

Conventional Float Glass

100%
-4%
91.46%
-4%

NeoV™ Optical Hard Glass

100%
-0.43%
98.60%
-0.43%
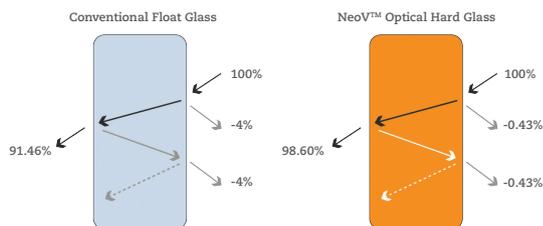
Remark: the absorption of glass: 0.54%

ANTI-SCRATCH SURFACE
Provides unparalleled resistance to scratches; the coated surface of NeoV™ reaches 9H, the highest grade on the pencil hardness scale.

	Pencil Hardness Scale
SPUTTERING	Competitor (5H)
EVAPORATION	Competitor (6H)
DIP COATING	NeoV™ Optical Glass (9H)

1H 2H 3H 4H 5H 6H 7H 8H 9H   (Hardness)
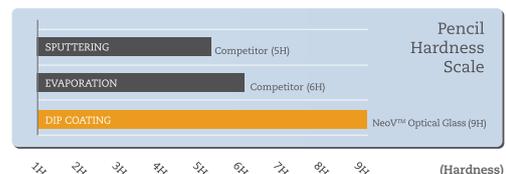
NIGHT MODE FEATURE

Everyone can relate to being in a room where the lights are turned down and you've got this white screen blinding you. The new Night Mode featuring a low back light on AG Neovo's SX-Series, RX-Series and QX-Series decreases screen brightness and reduces eye strain in the process. The contrast and colors used in night mode reduce glare and help our eyes adjust more easily to surrounding light, leading to less eye strain and easier, comfortable reading.

The Night mode feature on SX-Series and RX-Series can easili be enabled through the OSD menu. For the QX-Series a speciel *Low Backlight Marine Firmware has been developed.

Normal dark

100% brightness
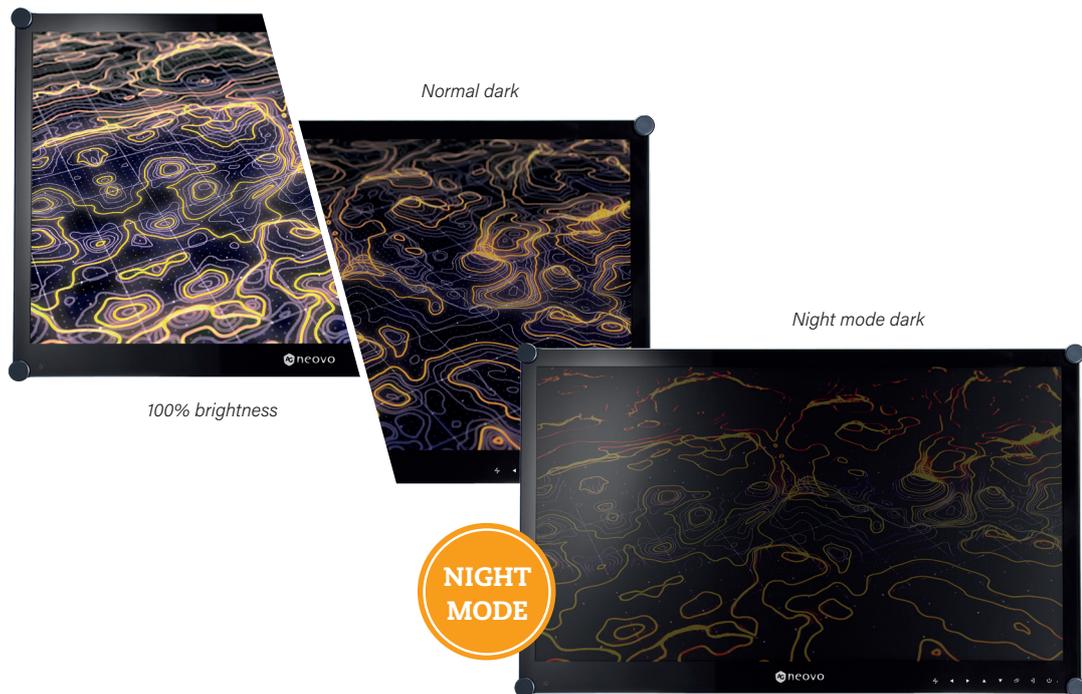
Night mode dark

The Night mode feature on SX and RX-Series can easili be enabled through the OSD menu.

NORMAL DARK VS. NIGHT MODE (SX- & RX-SERIES)

| NIGHT MODE	ON		OFF	
Backlight	0	100	0	100
LV	3.14	316.5	19.4	316.2

*The Low Backlight Marine Firmware for QX-Series need to be installed by Marine System Integrators.

PID COMMAND & CTRL

AG Neovo PID Command & Ctrl is a software application that allows users to control, configure and test AG Neovo Public Information Displays via LAN or RS232 connections simply and intuitively. It also can be used to create video walls within minutes and assist system integrators with external control systems by generating and displaying the commands exchanged between the software and displays.
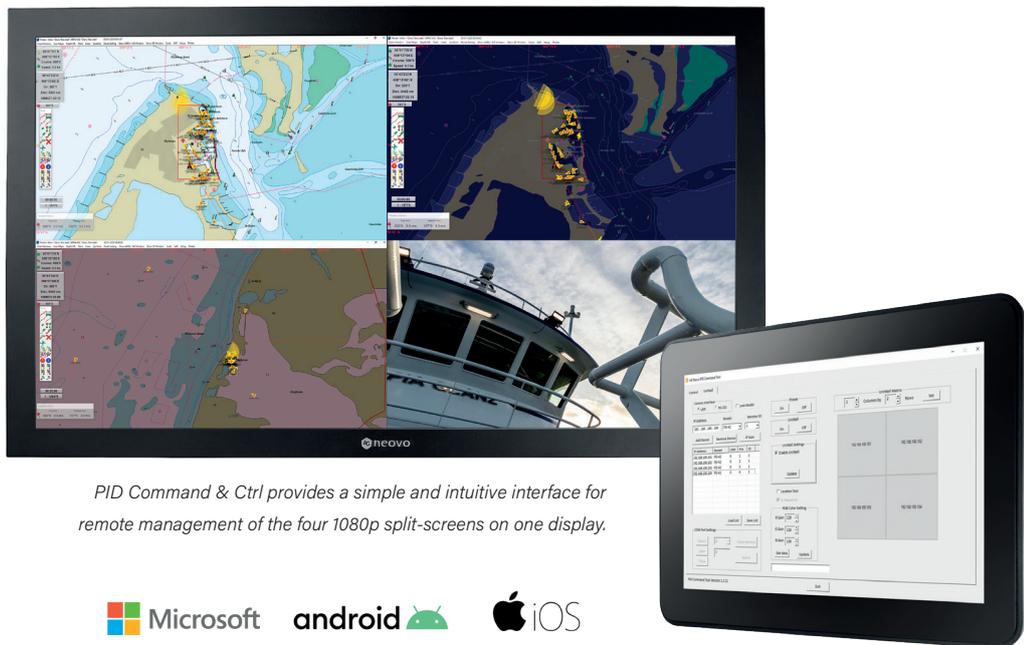
PID Command & Ctrl provides a simple and intuitive interface for remote management of the four 1080p split-screens on one display.

AG Neovo TX-10

DISPLAY CONTROL

PID Command & Ctrl provides a simple and intuitive interface for remote management, OSD-related settings, and easy control on deployed displays through LAN or RS232. Setup and maintain large-scale digital signage installations remotely and securely. PID Command and Ctrl are supported by Android, IOS and Windows.

CONTROL SYSTEM INTEGRATION

AG Neovo displays easily integrate with various control systems. PID Command & Ctrl helps integrators find command codes for programming into external control systems by showing the commands exchanged between the software and the displays.

VERSATILE INPUT OPTIONS

CONNECTION ON SX-SERIES

SX-15G, SX-17G and SX-19G seen from the bottom

*SX-15G, SX-17G and SX-19G
seen from left side*

CONNECTION ON RX-SERIES

RX-22G and RX-24G seen from the bottom

RX-22G and RX-24G seen from left side

CONNECTION ON QX-24 & QX-28

QX-24 and QX-28 seen from the bottom

CONNECTION ON QX-32, QX-43 & QX-55

QX-32, QX-43 and QX-55 seen from the bottom

Specifications

		SX-SERIES			RX-SERIES		QX-SERIES				
		SX-15G	SX-17G	SX-19G	RX-22G	RX-24G	QX-24	QX-28	QX-32	QX-43	QX-55
Panel											
	Panel Size	15”	17”	19”	21.5”	23.6”	23.8”	27.9”	32”	42.5”	54.6”
	XGA	●									
	SXGA		●	●							
	Full HD				●	●					
	4K, UHD						●	●	●	●	●
	16:9 Format				●	●	●	●	●	●	●
	4:3 Format	●	●	●							
	VA Panel	●							●	●	●
	IPS Panel						●				
	TN Panel		●	●	●	●		●			
Input											
	VGA	●	●	●	●	●	●	●	●	●	●
	DVI-D	●	●	●	●	●	●	●	●	●	●
	HDMI	●	●	●	●	●	●	●	●	●	●
	DisplayPort	●	●	●	●	●	●	●	●	●	●
	S-Video	●	●	●	●	●					
	Composite / BNC	BNC x 2	BNC x 2	BNC x 2	BNC x 2	BNC x 2					
External Control											
	RS-232	●	●	●	●	●	●	●	●	●	●
	LAN (RJ45)						●	●	●	●	●
NeoV™ Optical Glass		●	●	●	●	●	●	●	●	●	●
Metal Casing		●	●	●	●	●	●	●	●	●	●
24/7 Certified		●	●	●	●	●	●	●	●	●	●
Anti-Burn-in™ technology		●	●	●	●	●	●	●	●	●	●
Mounting											
	VESA	●	●	●	●	●	●	●	●	●	●
	Fixed Stand	●	●	●	●	●					
	Height adjustable						●	●			
Internal Speakers		●	●	●	●	●	●	●	●	●	●
Power											
	Power supply	External	External	External	External	External	Internal	Internal	Internal	Internal	Internal
	Power Requirement	DC 12V	DC 12V	DC 12V	DC 12V	DC 12V	AC 100-240V	AC 100-240V	AC 100-240V	AC 100-240V	AC 100-240V
Regulation Approval											
	Certification & Compliance	CB, CE, FCC, BSMI, RoHS, WEEE, Reach			CB, CE, FCC, BSMI, RoHS, WEEE, Reach		CB, CE, RoHS, WEEE, REACH, EAC				

THE DISPLAY CHOICE OF PROFESSIONALS™

displays.agneovo.com

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Taipei, Taiwan

EMEA Regional Headquarters
Capelle a/d Ijssel, The Netherlands

North & South America Regional Headquarters
San Jose, CA, U.S.A.

Asia-Pacific Regional Headquarters
Taipei, Taiwan

Canada Sales Office
Vancouver, B.C., Canada

China Sales Office
Shanghai, China

Czech Republic Sales Office
Brno, Czech Republic

Denmark Sales Office
Stoevring, Denmark

Germany Sales Office
Mechernich, Germany

Italy Sales Office
Livorno, Italy

Poland Sales Office
Warsaw, Poland

Spain Sales Office
Barcelona, Spain

Ukraine Sales Office
Lviv, Ukraine

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