



AG NEOVO MARINE DISPLAYS

Product Catalogue

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About AG Neovo

At AG Neovo, we understand that in maritime environments, equipment failure is simply not an option. We specialize in designing industrial-grade displays built to thrive where standard monitors fail.

From the intense vibrations of the engine room to the critical, shifting light conditions of the bridge console, our marine display solutions are engineered for one purpose: **Uninterrupted, dependable performance.** With a focus on structural durability, flexible system integration, and stable visibility, AG Neovo empowers maritime professionals, shipbuilders, and system integrators with display technologies they can trust 24/7, year after year.





Why Choose AG Neovo for Marine Applications

Core Technologies for Long-Term Reliability

AG Neovo marine solutions are meticulously crafted to meet the demanding requirements of onboard installations. We focus on three core pillars to ensure seamless operation across all your vessels:

Unmatched Durability & Reliability

Designed to drastically reduce maintenance costs and withstand demanding onboard environments.

- NeoV™ Optical Glass**
 Provides ultimate panel protection against scratches, severe impacts, and accidental knocks, safeguarding your investment.
- Front IP Protection**
 Ensures sustained durability and continuous operation in dusty, damp, and highly humid environments.
- IK-Rated Impact Resistance**
 Engineered to endure the constant vibrations and physical stress typical of maritime vessels.
- Industrial Metal Housing**
 Delivers superior structural strength and optimized heat dissipation for prolonged lifespan.



Seamless System Integration

Built with system integrators in mind to simplify installation and centralise control.

- Comprehensive Remote Management**
 Full RS232 / LAN control support enables effortless remote monitoring and system automation.
- Universal Connectivity**
 Multiple video input options guarantee plug-and-play integration with existing navigation systems, radar, CCTV, and onboard networks.
- Vessel Control Compatibility**
 Command code support allows deep integration into centralised vessel control systems.
- Synchronised Operation**
 Fully compatible with the Neovo Controller and external devices for streamlined, single-interface management.

Optimised Visibility for Marine Operations

Ensuring crystal-clear data monitoring, day or night, without straining operators' eyes.

- **Anti-Burn-in™ Technology**
Prevents image ghosting, ensuring flawless 24/7 static image display for continuous monitoring.
- **Advanced Night Mode (RX / SX Series)**
Enhances image clarity in low-light bridge or control room operations without blinding the crew.
- **Ultra-Low Brightness Dimming (QX Series)**
Dims down to mere fractions for safe and comfortable night navigation environments.



Purpose-Built Displays for Every Onboard Environment

Bridge Console: Clarity in Any Light

Bridge displays must remain readable in both bright daylight and low-light navigation conditions, while supporting multiple onboard systems such as radar, charts, cameras, and navigation data.

- **The Challenge**
Bridge displays must remain perfectly readable in both bright daylight and low-light navigation conditions, while simultaneously supporting multiple critical systems such as radar, electronic charts (ECDIS), cameras, and navigation data.
- **The Solution: QX Series (QX2702, QX3202, QX4302, QX5502, QX6502)**
Delivering 4K resolution, hardware-level multi-window processing, and ultra-low dimming for seamless bridge command.



Engine Room / Machinery Monitoring: Surviving the Extremes

Displays installed in engine rooms must withstand vibration, heat, humidity, and accidental contact while maintaining stable operation for long periods.

- **The Challenge**

Displays installed in engine compartments must withstand intense vibration, extreme heat, high humidity, and accidental physical contact while maintaining stable, continuous operation.

- **The Solution: RX Series (RX-2202, RX-2402)**

Armored with metal housing and NeoV™ Optical Glass to guarantee unwavering reliability in the harshest compartments.



Operator Panels / Compact Control Stations: Maximising Limited Space

Some installations require compact displays mounted in control panels or equipment consoles, where space is limited and viewing distance is short.

- **The Challenge**

Space-limited installations require compact, highly durable displays mounted directly into control panels or equipment consoles where viewing distances are short.

- **The Solution: SX Series (SX-15G, SX-17G, SX-19G)**

Compact, ruggedised displays offering exceptional legacy connectivity for tight, professional installations.

4K Multi-Input Monitoring

QX SERIES



The QX Series is designed for monitoring environments where multiple signal sources must be viewed at the same time with high clarity and stable operation. With 4K resolution, hardware-level multi-window processing, and flexible control interfaces, it is suitable for bridge consoles, control rooms, and multi-system monitoring stations.

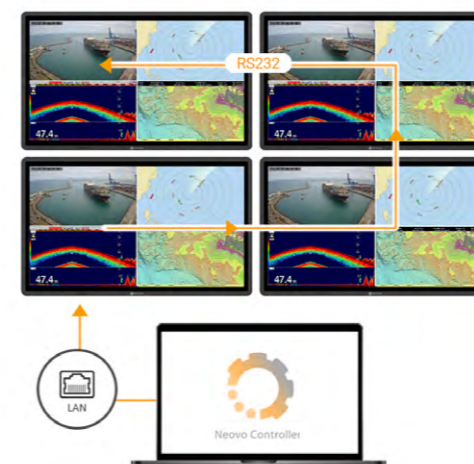


Multiple Video Inputs With 4x HDMI

Designed to accommodate complex bridge setups directly, the QX Series features four HDMI ports, enabling direct connections to multiple critical systems—such as radar, ECDIS, and CCTV—without relying on expensive, bulky external video switchers.

Hardware-Level PIP/PBP & Quad-View Processing

Standard software-based multi-viewers can be unreliable. Driven by a robust hardware-level processing engine, the QX Series allows operators to seamlessly configure Quad-view, Picture-in-Picture (PIP), or Picture-by-Picture (PBP) layouts. This ensures stable, real-time performance and zero latency when monitoring multiple signal sources simultaneously.



Streamlined Cabling via DisplayPort Daisy-Chain

Simplify your rack installation. The built-in DisplayPort daisy-chain functionality allows effortless video signal extension across multiple bridge displays. This drastically reduces cable clutter and makes large-scale console installations much more efficient.

Advanced Control Ports for Deep System Integration

Designed to act as a seamless extension of your vessel's central network:

- **Comprehensive Control Ports**
Equipped with LAN and RS232 ports for direct remote management.
- **RS232 Looping**
Simplify control network wiring by daisy-chaining command signals across multiple displays.
- **Custom Command Support**
Easily integrate the displays into existing, complex vessel control systems using custom command codes.
- **Neovo Controller Compatible**
Centralise the operation, status monitoring, and settings adjustment of your entire display network through a single, intuitive interface.



DisplayPort Daisy-Chain



Ultra-Low Dimming for Night Navigation

Bridge environments require strict lighting control. The QX Series offers ultra-low backlight dimming down to 2 cd/m², preserving critical night vision without sacrificing display clarity.

- **Optional Tactile Accessories**

For rough seas or rapid lighting changes, our optional External Keypad and Dimming Control Knob connect directly to the control port, providing operators with instant, physical hardware control instead of relying on on-screen menus.

Industrial-Grade Durability & Fail-Safe Operation

Engineered to survive the harshest maritime conditions. Housed in a rigid industrial metal casing and protected by NeoV™ Optical Glass, the QX Series withstands intense vibration and physical impact. Furthermore, the Automatic Input Failover feature instantly switches to a backup signal if the primary feed is lost, ensuring mission-critical data is always visible.

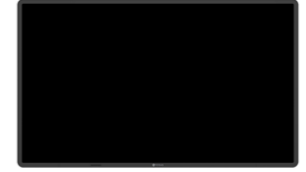


AG NEOVO, SEEING THE SEA IN A DISPLAY OF CLARITY



Specifications

		QX-2702	QX-3202
Panel	Panel Type	LED-Backlit TFT LCD (VA Technology)	LED-Backlit TFT LCD (VA Technology)
	Panel Size	27.0"	32.0"
	Max. Resolution	UHD 3840 x 2160	UHD 3840 x 2160
	Brightness	400 cd/m ²	350 cd/m ²
	Contrast Ratio	1000:1	3000:1
	Viewing Angle (H/V)	178°/178°	178°/178°
	Response Time	5 ms	5 ms
Input	DisplayPort	1.2 x 1	1.2 x 1
	HDMI	2.0 x 4	2.0 x 4
Output	DisplayPort	1.2 x 1	1.2 x 1
External Control	IR In	3.5 mm Phone Jack	3.5 mm Phone Jack
	IR Out	3.5 mm Phone Jack	3.5 mm Phone Jack
	RS232 In	2.5 mm Phone Jack	2.5 mm Phone Jack
	RS232 Out	2.5 mm Phone Jack	2.5 mm Phone Jack
	LAN	RJ45 x 1	RJ45 x 1
Other Connectivity	USB	2.0 x 1 (Service Port)	2.0 x 1 (Service Port)
Audio	Audio Out	Stereo Audio Jack (3.5 mm)	Stereo Audio Jack (3.5 mm)
	Internal Speakers	10W x 2	10W x 2
Power	Power Supply	External	External
	On Mode	33 W (On)	48 W (On)
	On Mode (Max)	73 W (Max)	86 W (Max)
	Standby Mode	< 0.5 W	< 0.5 W
	Off Mode	< 0.3 W	< 0.3 W
Glass	Thickness	3.2 mm (0.13")	3.2 mm (0.13")
	MOHS Hardness	6	6
	Pencil Hardness	8H	8H
	IK Rating	IK08	IK08
	Gloss	75±10%	75±10%
	Haze	3 - 8%	3 - 8%
Durability and Protection	IK Rating	IK10 (Metal casing)	IK10 (Metal casing)
Operating Conditions	Temperature	0°C-40°C (32°F-104°F)	0°C-40°C (32°F-104°F)
	Humidity	10%-90% (non-condensing)	10%-90% (non-condensing)
Mounting	VESA FPMPMI	Yes (100 x 100 mm)	Yes (200 x 200 mm)
Dimensions	Bezel Width	Even bezel 12.8 mm	Even bezel 12.8 mm
	Product w/o Base (W x H x D)	653.2 x 392.0 x 57.0 mm (25.7" x 15.4" x 2.2")	756.5 x 451.4 x 79.3 mm (29.8" x 17.8" x 3.1")
	Packaging (W x H x D)	750.0 x 485.0 x 140.0mm (29.5" x 19.0" x 5.5")	850.0 x 530.0x 145.0mm (33.5" x 20.9" x 5.7")
Weight	Product w/o Base	7.93 kg (17.5 lb)	10.2kg (22.49lb)
	Packaging	10.2 kg (22.5 lb)	12.6 kg (27.8 lb)
Regulation Approval	Certifications & Compliance	CE, LVD, WEEE, RoHS, REACH	CE, LVD, WEEE, RoHS, REACH



		QX-4302	QX-5502	QX-6502
Panel	Panel Type	LED-Backlit TFT LCD (IPS Technology)	LED-Backlit TFT LCD (IPS Technology)	LED-Backlit TFT LCD (IPS Technology)
	Panel Size	43.0"	54.6"	65.0"
	Max. Resolution	UHD 3840 x 2160	UHD 3840 x 2160	UHD 3840 x 2160
	Brightness	450 cd/m ²	400 cd/m ²	400 cd/m ²
	Contrast Ratio	1200:1	1200:1	1200:1
	Viewing Angle (H/V)	178°/178°	178°/178°	178°/178°
	Response Time	5 ms	5 ms	5 ms
Input	DisplayPort	1.2 x 1	1.2 x 1	1.2 x 1
	HDMI	2.0 x 4	2.0 x 4	2.0 x 4
Output	DisplayPort	1.2 x 1	1.2 x 1	1.2 x 1
External Control	IR In	3.5 mm Phone Jack	3.5 mm Phone Jack	3.5 mm Phone Jack
	IR Out	3.5 mm Phone Jack	3.5 mm Phone Jack	3.5 mm Phone Jack
	RS232 In	2.5 mm Phone Jack	2.5 mm Phone Jack	2.5 mm Phone Jack
	RS232 Out	2.5 mm Phone Jack	2.5 mm Phone Jack	2.5 mm Phone Jack
	LAN	RJ45 x 1	RJ45 x 1	RJ45 x 1
Other Connectivity	USB	2.0 x 1 (Service Port)	2.0 x 1 (Service Port)	2.0 x 1 (Service Port)
Audio	Audio Out	Stereo Audio Jack (3.5 mm)	Stereo Audio Jack (3.5 mm)	Stereo Audio Jack (3.5 mm)
	Internal Speakers	12W x 2	12W x 2	12W x 2
Power	Power Supply	Internal	Internal	Internal
	On Mode	80 W (On)	107 W (On)	125 W (On)
	On Mode (Max)	107 W (Max)	165 W (Max)	TBC W
	Standby Mode	< 0.5 W	< 0.5 W	0.5 W
	Off Mode	0 W	0 W	0 W
Glass	Thickness	3.2 mm (0.13")	3.2 mm (0.13")	3.2 mm (0.13")
	MOHS Hardness	6	6	6
	Pencil Hardness	8H	8H	8H
	IK Rating	IK08	IK08	IK08
	Gloss	75±10%	75±10%	75±10%
	Haze	3 - 8%	3 - 8%	3 - 8%
Durability and Protection	IK Rating	IK10 (Metal casing)	IK08	IK10 (Metal casing)
Operating Conditions	Temperature	0°C-40°C (32°F-104°F)	0°C-40°C (32°F-104°F)	0°C-40°C (32°F-104°F)
	Humidity	10%-90% (non-condensing)	10%-90% (non-condensing)	10%-90% (non-condensing)
Mounting	VESA FPMPMI	Yes (400 x 200 mm)	Yes (400 x 200 mm)	Yes (600 x 400 mm)
Dimensions	Bezel Width	Even bezel 12.8 mm	Even bezel 12.8 mm	Even bezel 14.9 mm
	Product w/o Base (W x H x D)	1002.0 x 591.6 x 84.7 mm (39.5" x 23.3" x 3.3")	1270.4 x 742.6 x 84.5 mm (50.0" x 29.2" x 3.3")	1482.5 x 857.6 x 81.9 mm (58.4" x 33.8" x 3.2")
	Packaging (W x H x D)	1114.0 x 704.0 x 174.0 mm (43.9" x 27.7" x 6.9")	1420.0 x 870.0 x 220.0 mm (55.9" x 34.3" x 8.7")	1640.0 x 1010.0 x 185.0 mm (64.6" x 39.8" x 7.3")
Weight	Product w/o Base	19.0 kg (41.9 lb)	30.0 kg (66.1 lb)	34.5 kg (76.1 lb)
	Packaging	21.3 kg (47.0 lb)	36.0 kg (79.4 lb)	42.0 kg (92.6 lb)
Regulation Approval	Certifications & Compliance	CE, LVD, WEEE, RoHS, REACH	CE, LVD, WEEE, RoHS, REACH	CE, LVD, REACH, RoHS, WEEE

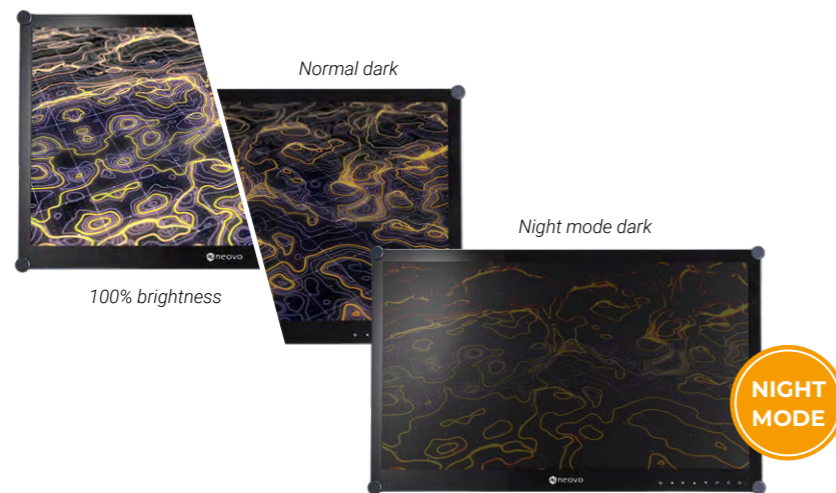


Compact & Durable Displays

RX-SERIES & SX-SERIES

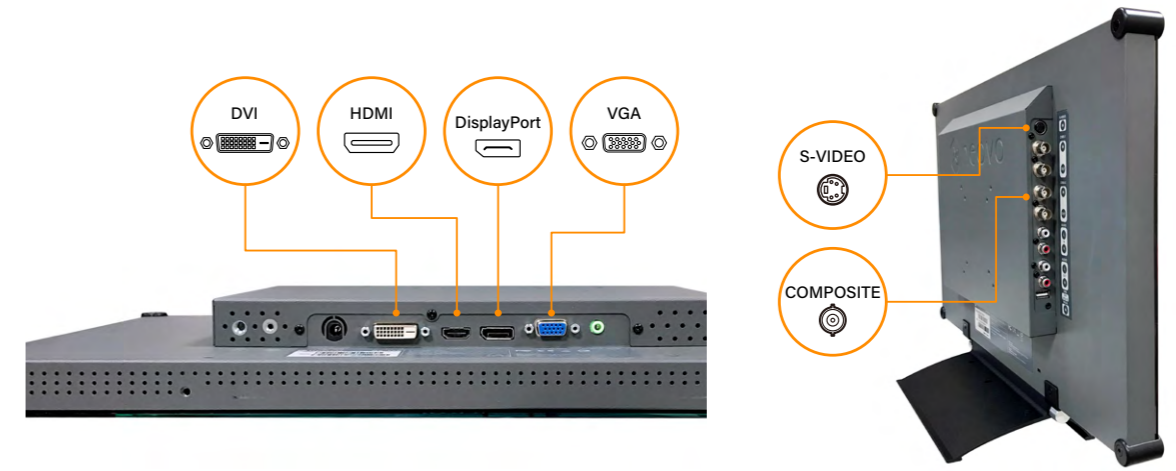


The RX and SX Series are designed for professional environments where displays must operate reliably for long hours while fitting into space-limited installations. With reinforced construction, a wide variety of input compatibility, and image enhancement modes for monitoring applications, these displays are suitable for surveillance systems, control panels, transportation, industrial equipment, and onboard installations.



Optimised Visibility for Low-Light Environments

Night modes are designed to improve visibility in low-light environments. These modes enhance darker areas of the image without increasing overall brightness, helping operators monitor camera feeds and system data more clearly during night operation or in dim control rooms.



Comprehensive Connectivity & Legacy Support

A wide range of input options, including DisplayPort, HDMI, DVI, VGA, S-Video, and BNC are integrated to support different types of equipment. BNC passive loop-through output allows signal distribution to additional displays, making the series suitable for multi-monitor installations and system integration.



Synchronised Centralised Management

RS232 control and compatibility with Neovo Controller allow multiple displays to be managed from a single interface. This enables synchronised power control, settings adjustment, and monitoring across multiple units, supporting professional installations that require stable and consistent operation.

Engineered for 24/7 Continuous Operation

The RX Series supports an operating temperature range of -5°C to 45°C , while the SX Series supports 0°C to 40°C , allowing stable performance in control rooms, equipment panels, transportation systems, and other environments where displays must operate continuously.





Specifications

		RX-2202	RX-2402
Panel	Panel Type	LED-Backlit TFT LCD (IPS Technology)	LED-Backlit TFT LCD (VA Technology)
	Panel Size	21.5"	23.8"
	Max. Resolution	FHD 1920 x 1080	FHD 1920 x 1080
	Brightness	250 cd/m ²	300 cd/m ²
	Contrast Ratio	20,000,000:1 (DCR)	20,000,000:1 (DCR)
	Viewing Angle (H/V)	178°/178°	178°/178°
	Surface Treatment	Anti-Glare Treatment (Haze 25%), 3H Hard Coating	Anti-Glare Treatment (Haze 25%), 3H Hard Coating
Input	DisplayPort	x 1	x 1
	HDMI	1.4 x 1	1.4 x 1
	DVI	24-Pin DVI-D	24-Pin DVI-D
	VGA	15-Pin D-Sub x 1	15-Pin D-Sub x 1
	Composite (CVBS)	BNC x 2	BNC x 2
	S-Video	4-Pin mini DIN x 1	4-Pin mini DIN x 1
Output	Composite (CVBS)	BNC x 2	BNC x 2
External Control	RS232 In	2.5 mm Phone Jack	2.5 mm Phone Jack
Audio	Audio In	Stereo Audio Jack (3.5 mm), Stereo Audio Jack (RCA)	Stereo Audio Jack (3.5 mm), Stereo Audio Jack (RCA)
	Audio Out	Stereo Audio Jack (RCA)	Stereo Audio Jack (RCA)
	Internal Speakers	2W x 2	2W x 2
Power	Power Requirements	DC 12V, 2.1A	DC 12V, 2.8A
	On Mode	16W (On)	18W (On)
	Standby Mode	< 0.5W	< 0.5W
	Off Mode	< 0.3W	< 0.3W
Glass	Thickness	3.0 mm (0.12")	3.0 mm (0.12")
	Reflection Rate	< 1%	< 1%
	Transmission Rate	> 97%	> 97%
	MOHS Hardness	6	6
	Pencil Hardness	9H	9H
	IK Rating	IK07	IK07
Durability and Protection	IP rating	IP65 (Front)	IP65 (Front)
	IK rating	IK10 (Metal casing)	IK10 (Metal casing)
Operating Conditions	Temperature	-5°C-45°C (23°F-113°F)	-5°C-45°C (23°F-113°F)
	Humidity	10%-90% (non-condensing)	20%-80% (non-condensing)
Mounting	VESA FPM PMI	Yes (100 x 100 mm & 75 x 75 mm)	Yes (100 x 100 mm & 75 x 75 mm)
Dimensions	Product w/o Base (W x H x D)	513.2 x 324.3 x 56.2 mm (20.2" x 12.8" x 2.2")	562.4 x 352.6 x 56.2 mm (22.1" x 13.9" x 2.2")
	Packaging (W x H x D)	614.0 x 477.0 x 204.0 mm (24.2" x 18.8" x 8.0")	672.0 x 517.0 x 249.0 mm (26.5" x 20.4" x 9.8")
Weight	Product w/o Base	6.4 kg (14.1 lb)	7.7 kg (17.0 lb)
	Packaging	9.0 kg (19.8 lb)	10.4 kg (23.0 lb)
Regulation Approval	Certifications & Compliance	CE, LVD, FCC, ICES-003 Issue 7, BSMI, RoHS, WEEE, REACH, EN 50130-4, EN IEC 61000-6-3, EN IEC 61000-6-1	CE, LVD, BSMI, WEEE, RoHS, REACH, UKCA, EAC, FCC, ICES-003 Issue 7, EN 50130-4, EN IEC 61000-6-3, EN IEC 61000-6-1

		SX-15G	SX-17G	SX-19G
Panel	Panel Type	LED-Backlit TFT LCD (VA Technology)	LED-Backlit TFT LCD (TN Technology)	LED-Backlit TFT LCD (TN Technology)
	Panel Size	15.0"	17.0"	19.0"
	Max. Resolution	XGA 1024 x 768	SXGA 1280 x 1024	SXGA 1280 x 1024
	Brightness	300 cd/m ²	250 cd/m ²	250 cd/m ²
	Contrast Ratio	20,000,000:1 (DCR)	20,000,000:1 (DCR)	20,000,000:1 (DCR)
	Viewing Angle (H/V)	176°/176°	170°/160°	170°/160°
	Surface Treatment	Haze 25%, 3H, Anti-glare treatment	Anti-Glare Treatment, 3H Hard Coating	Anti-Glare Treatment (Haze 25%), 3H Hard Coating
Input	DisplayPort	x 1	x 1	x 1
	HDMI	1.4 x 1	1.4 x 1	1.4 x 1
	DVI	24-Pin DVI-D	24-Pin DVI-D	24-Pin DVI-D
	VGA	15-Pin D-Sub x 1	15-Pin D-Sub x 1	15-Pin D-Sub x 1
	Composite (CVBS)	BNC x 2	BNC x 2	BNC x 2
	S-Video	4-Pin mini DIN x 1	4-Pin mini DIN x 1	4-Pin mini DIN x 1
Output	Composite (CVBS)	BNC x 2	BNC x 2	BNC x 2
External Control	RS232 In	2.5 mm Phone Jack	2.5 mm Phone Jack	2.5 mm Phone Jack
Audio	Audio In	Stereo Audio Jack (3.5 mm), Stereo Audio Jack (RCA)	Stereo Audio Jack (3.5 mm), Stereo Audio Jack (RCA)	Stereo Audio Jack (3.5 mm), Stereo Audio Jack (RCA)
	Audio Out	Stereo Audio Jack (RCA)	Stereo Audio Jack (RCA)	Stereo Audio Jack (RCA)
	Internal Speakers	2W x 2	2W x 2	2W x 2
Power	Power Requirements	DC 12V, 1.5A	DC 12V, 1.58A	DC 12V, 1.75A
	On Mode	11W (On)	13W (On)	14W (On)
	Standby Mode	< 0.5W	< 0.5W	< 0.5W
	Off Mode	< 0.3W	< 0.3W	< 0.3W
Glass	Thickness	3.0 mm (0.12")	3.0 mm (0.12")	3.0 mm (0.12")
	Reflection Rate	< 1%	< 1%	< 1%
	Transmission Rate	> 97%	> 97%	> 97%
	MOHS Hardness	6	6	6
	Pencil Hardness	9H	9H	9H
	IK Rating	IK07	IK07	IK07
Operating Conditions	Temperature	0°C-40°C (32°F-104°F)	0°C-40°C (32°F-104°F)	0°C-40°C (32°F-104°F)
	Humidity	10%-90% (non-condensing)	10%-90% (non-condensing)	10%-90% (non-condensing)
Mounting	VESA FPM PMI	Yes (100 x 100 mm & 75 x 75 mm)	Yes (100 x 100 mm & 75 x 75 mm)	Yes (100 x 100 mm & 75 x 75 mm)
Stand	Tilt	0° to 20°	0° to 22°	0° to 22°
Security	Kensington Security Slot	Yes	Yes	Yes
Dimensions	Product w/o Base (W x H x D)	380.0 x 315.0 x 53.5 mm (15.0" x 12.4" x 2.1")	409.4 x 361.9 x 64.5 mm (16.1" x 14.2" x 2.5")	445.4 x 383.9 x 64.5 mm (17.5" x 15.1" x 2.5")
	Packaging (W x H x D)	470.0 x 460.0 x 199.0 mm (18.5" x 18.1" x 7.8")	506.0 x 506.0 x 225.0 mm (19.9" x 19.9" x 8.9")	552.0 x 526.0 x 225.0 mm (21.7" x 20.7" x 8.9")
Weight	Product w/o Base	4.8 kg (10.6 lb)	6.1 kg (13.4 lb)	6.9 kg (15.2 lb)
	Packaging	6.8 kg (15.0 lb)	7.3 kg (16.1 lb)	9.3 kg (20.5 lb)
Regulation Approval	Certifications & Compliance	CB, CE, FCC, RoHS, WEEE, REACH, UKCA, ICES-003 Issue 7	CB, CE, FCC, UKCA, RoHS, WEEE, REACH, ICES-003 Issue 7	CB, CE, FCC, BSMI, CCC, RoHS, WEEE, REACH, UKCA, ICES-003 Issue 7

Global Headquarters

Taipei, Taiwan

EMEA Regional Headquarters

Capelle a/d IJssel, The Netherlands

North & South America Regional Headquarters

Fremont, 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

Støvring, Denmark

Germany Sales Office

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Italy Sales Office

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Spain Sales Office

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Lviv, Ukraine

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