

## **AHD 1219 G/AHD 1219 M** **Panel PCs with Touchscreen and Glass Front**



- ***Panel PCs with touchscreen and bonded glass front***
- ***All in one solution for quick installation – saves space and costs***
- ***Can be integrated into existing systems***

Bönning Automationstechnologie's new generation of panel PCs expands its product range in the display category with innovative devices.

Combining increased performance and functionality in a valuable modern design, they increase operational safety and ease of operation on ship bridges. Their luminosity of up to 1000 cd/m<sup>2</sup> ensures good readability at all times, even during bright sunlight. Automatic dimming further ensures that the displays operate without glare especially when cruising at night.

Automotive components allow the displays to be used in greater temperature ranges than previous displays.

Their 24 V DC power supply makes these devices especially suitable for use on ships.

The newest-generation capacitive touchscreen allows comfortable operation without visible threads. The latest display technology provides even more brilliant colors and a markedly increased view angle.

Basic functions such as alarm acknowledgement and brightness control can be quickly accessed with the built-in buttons.

The powerful Panel PCs allow safe and reliable operation, even in extreme conditions.

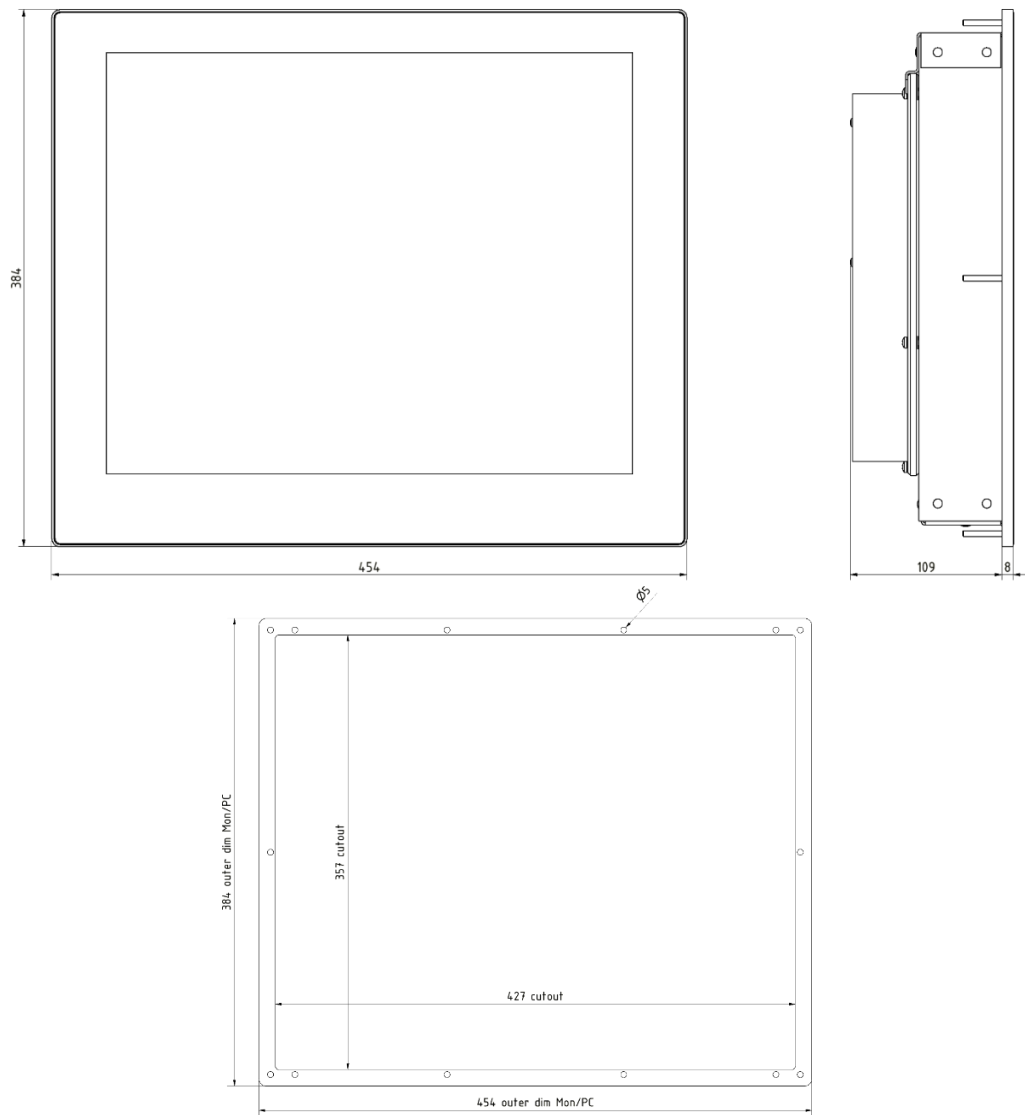
The visualization system with embedded operating system operates completely autonomously. Advantage: it requires neither firewalls nor virus scanners, and in addition, the configuration cannot be changed by accident.

These PCs were especially developed for maritime use. Not using mechanically moveable parts as for example hard disks makes the device shock-insensitive and therefore ideally suited for application aboard of ships. The passive cooling system significantly contributes to its operational safety.

The device is also available as the variant AHD 1219 M with a matte glass front (Gloss 100).

If no external video input is required, for example or displaying electronic nautical charts, the device is also available without DVI and VGA interfaces.

## Dimensions



## Technical Data

Power supply	24 V DC (+30% / -25%)	Interfaces	7 x CAN (6 x system integration, 1 x remote control)
Power consumption	Ca. 60 W (24 V DC)		1 x RS-232 (For example for GPS)
Ambient temperature	-30°C...+45°C (Active cooling of the mounting space recommended for high interior console temperatures)		1 x LAN
Storage temperature	-30°C...+85°C		2 x USB (For example for a mouse)
Weight	Ca. 12 kg		1 x Video (50 Hz, PAL, BNC)
Protection class	Front side: IP56 Rear side IP20		2 x DVI IN (Optional)
Dimensions	454 x 384 x 117 mm		1 x VGA (Optional)
W x H x D	Installation depth min. 140 mm		Digital IN (4 x optocoupler)
Panel cutout	427 x 357 mm		Digital OUT (5 x relay)
Processor	Intel Atom CPU	Resolution	1280 x 1024 pixels (H x V; max., SXGA)
RAM	Windows 10 LTSC	Luminosity	1000 cd/m <sup>2</sup>
Required distance to compass	Steering magnetic compass: 1.00 m Standing magnetic compass: 1.80 m	Contrast	2000:1
Approvals	ABS, CRS, DNV, LR, NMEA, RINA	Viewing angle	Horizontal -89° / +89° vertical -89° / +89°
		Item number	AHD 1219 G: 24473 Without DVI and VGA: 24465 AHD 1219 M: 24474 Without DVI and VGA: 24466