

AHD 1219 G

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 also be integrated into existing systems**
- **Completely redeveloped**

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/m² 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.

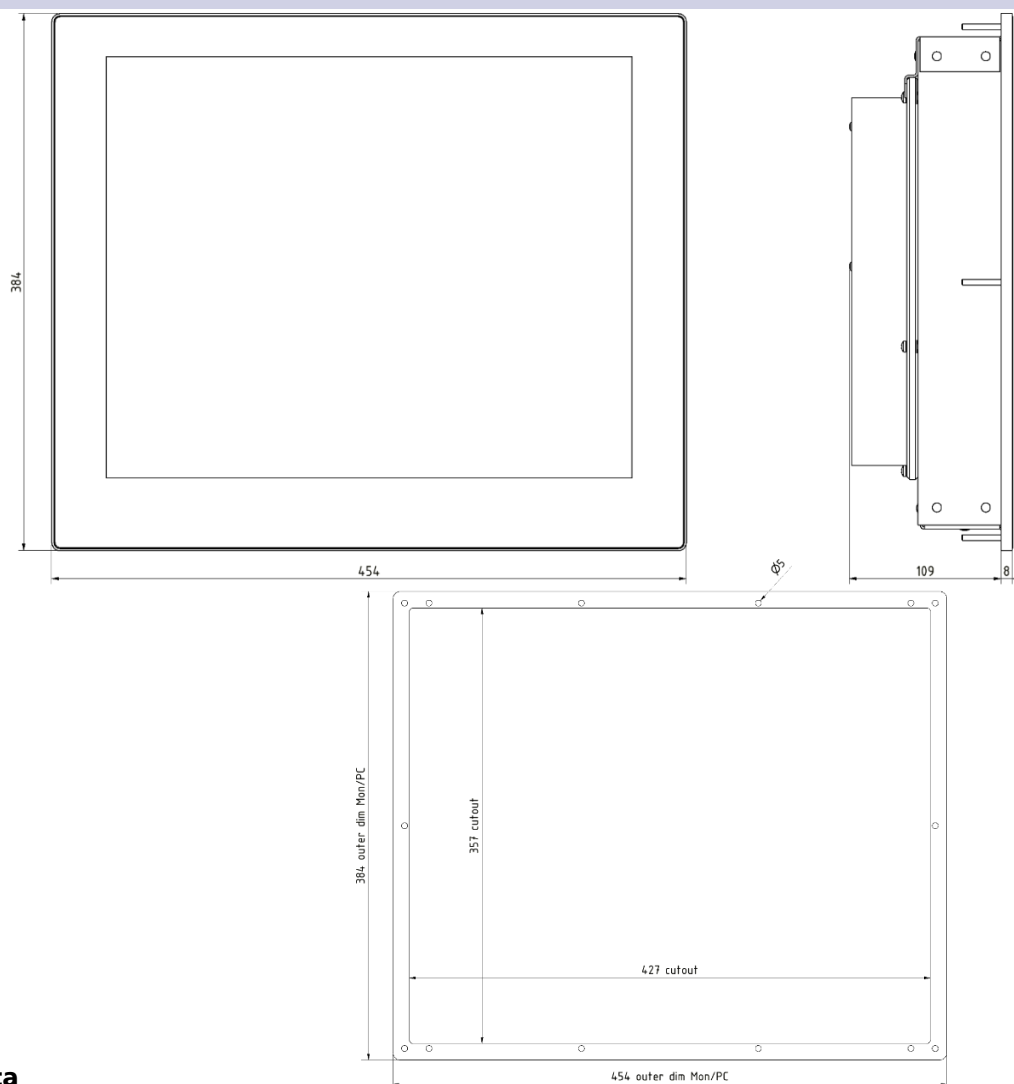
The powerful Panel PCs allow safe and reliable operation, even in extreme conditions.

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 matt glass front (Gloss 100). The device is optionally available with DVI and VGA interfaces for displaying for example electronic sea charts.

Dimensions



Technical Data

Power supply	24 V DC (+30% / -25%)
Power consumption	Ca. 60 W (24 V DC)
Ambient temperature	-30°C...+55°C (-30°C...+70°C at interior console temperature of max. +45°C)
Storage temperature	-50°C...+85°C
Weight	Ca. 12 kg
Protection class	IP 56 (front side), IP 20 (rear side)
Dimensions	454 x 384 x 117 mm
W x H x D	Installation depth min. 140 mm
Panel cutout	427 x 357 mm
Processor	2.0 GHz Quad Core
RAM	8 GB
Flash Disk	128 GB
Approvals	DNV, CRS, LR, RS

Interfaces	7 x CAN (6 x system integration, 1 x remote control)
	1 x RS 232 (for example for GPS)
	1 x LAN
	2 x USB (for example for a mouse)
	1 x Video (50 Hz, PAL, BNC)
	2 x DVI IN (Optional)
	1 x VGA (Optional)
	Digital IN (4 x optocoupler)
	Digital OUT (5 x relay)
Resolution	1280 x 1024 pixels (H x V; max., SXGA)
Luminosity	1000 cd/m ²
Contrast	2000:1
Viewing angle	Horizontal -89° / +89° vertical -89° / +89°
Required distance to compass	Steering magnetic compass: 1.00 m Standing magnetic compass: 1.80 m
Item number	20211 16359 (With DVI and VGA) AHD 1219 M: 17327