

AHD 1224 G/AHD 1224 M **Panel PC with Touchscreen and Glass Front**



- **Panel PC 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 displays 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 at least 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 viewing angle (In-Plane Switching IPS).

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

The powerful Panel PCs AHD 1224 G allow safe and reliable operation, even in extreme conditions.

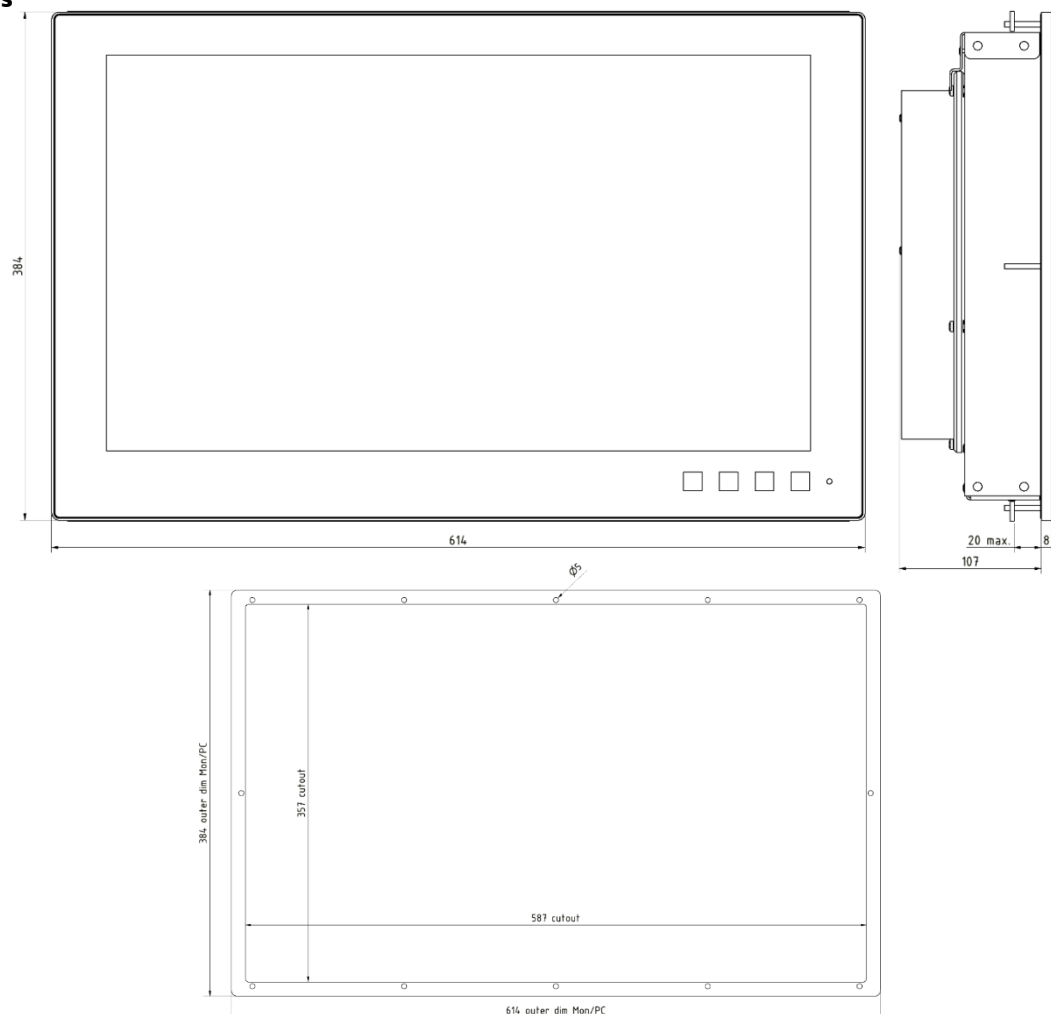
The visualization system with embedded operating system operates completely autonomously. Advantage: it requires neither firewalls nor virus scanners, and in addition, the configuration cannot be changed by accident.

These PCs were especially developed for maritime use. The absence of moveable parts, such as hard disks, makes the device insensitive to shock and thus ideally suited for use on ships. The passive cooling system significantly contributes to its operational safety.

The device is also available as the variant AHD 1224 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%)
Power consumption	Ca. 80 W (24 V DC)
Ambient temperature	-30°C...+45°C (Active cooling of the mounting space recommended for high interior console temperatures)
Storage temperature	-30°C...+85°C
Weight	Ca. 15 kg
Dimensions	614 x 384 x 115 mm
W x H x D	Installation depth min. 140 mm
Panel cutout	587 x 357 mm
Protection class	Front side: IP56 Rear side: IP22
Processor	Intel Atom CPU
Operating system	Windows 10 LTSC
Required distance to compass	Steering magnetic compass: 1.00 m Standard magnetic compass: 1.80 m
Approvals	ABS, CRS, DNV, LR, RINA

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 opto-coupler)	
	Digital OUT (5 x relay)	
Resolution	1920 x 1080 pixels Full HD (H x V)	
Luminosity	1000 cd/m²	
Contrast	2000:1	
Viewing angle	Horizontal -89° / +89° vertical -89° / +89°	
Item number	AHD 1224 G:	24476
	Without DVI and VGA:	24468
	AHD 1224 M:	24477
	Without DVI and VGA:	24469