

AHD 1224 G / AHD 1224 M

Panel PC with Touchscreen and Glass Front



- **Panel PC with touchscreen and glass front**
- **All-in-one solution for quick installation - space-saving and cost-reducing**
- **Powerful PC system for enhanced performance**
- **Excellent readability thanks to increased brightness and contrast**

The new AHD 1224 G (4th generation) panel PC is part of the current line of displays and panel PCs, featuring improved readability thanks to increased brightness and contrast.

Increased performance and functionality are combined in a modern design and increase safety and ease of use on ship bridges. With a brightness of up to 1600 cd/m², good readability is guaranteed even in bright sunlight. Automatic dimming ensures that the displays work glare-free even when cruising at night.

Thanks to the use of automotive components, the devices can be used in a wider temperature range than conventional displays. With a power supply of 24 V DC, the devices are ideally suited for use on ships.

The capacitive touchscreen enables convenient operation, while the latest display technology enables even more brilliant colors.

Basic functions such as alarm acknowledgement and brightness control are available via buttons on the front.

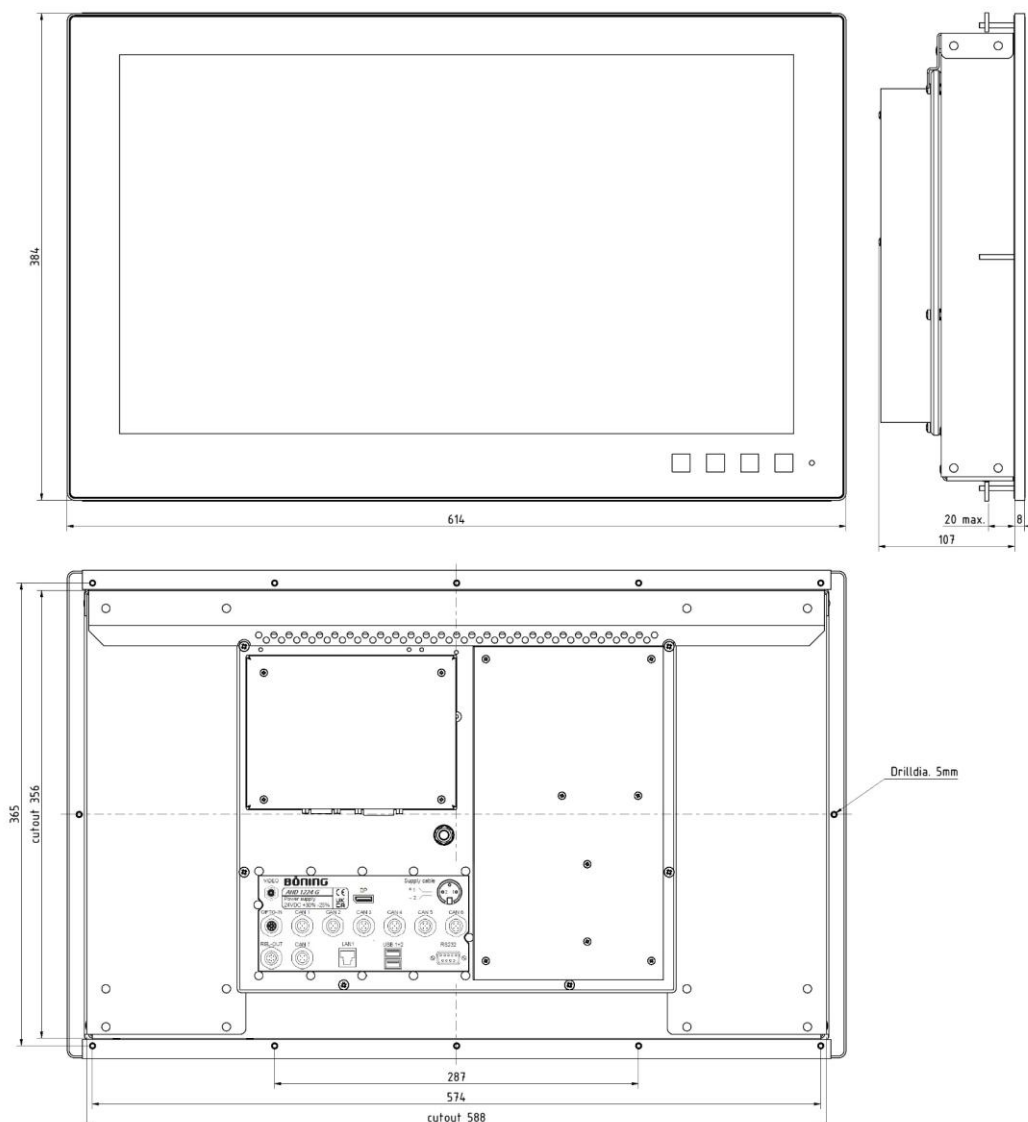
The integrated PC system ensures safe and reliable operation even under extreme conditions. The PC module have been specially developed for shipbuilding and there are no mechanical or moving components. Thanks to the passive cooling system, the device operates completely silently.

The visualization system with a closed operating system works autonomously. This means that the configuration is protected and cannot be changed unintentionally. Furthermore, no firewall or virus scanner is required, meaning that regular updates are not necessary.

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

The device is also available as an AHD 1224 M version with a matt glass front (Gloss 100).

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 IN (50 Hz, PAL, BNC) 2 x DVI IN / 1 x VGA IN (Option) Digital IN (4 x optocouplers) Digital OUT (5 x relay) 4k Display-Port Video OUT
Resolution	1920 x 1080 pixels Full HD (H x V)
Luminosity	1000 cd/m ²
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