

AHD 1312 GW / AHD 1312 MW

Panel PC with 12.3" Display with Glass Front



- **Panel PCs with bonded glass front and touchscreen**
- **All in one solution for quick installation – saves space and costs**
- **Powerful PC system for enhanced performance**
- **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 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 devices 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 easy operation without compromising the visualization with visible threads. The latest display technology provides even more brilliant colors and a markedly increased viewing angle.

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 accidentally.

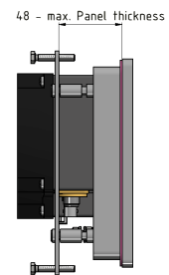
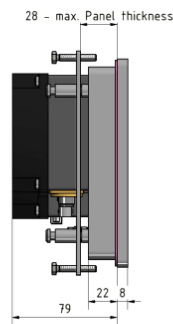
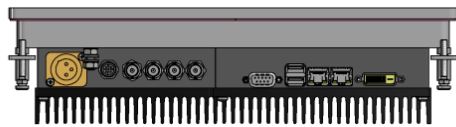
The PCs were especially developed for maritime use. The absence of moveable parts, such as hard disks, makes the device insensitive to shock. The passive cooling system significantly contributes to its operational safety.

AHD 1312 GW must be used with a data processing station AHD-DPU 9 or a panel PC AHD 12XX.

The device is also available as the variant AHD 1312 MW with a matte glass front (Gloss 100).

An adapter with a 0.15 m (5.9 in) cable (item no. 24666) is available for connecting displays without a DisplayPort interface.

Dimensions



Technical Data

Power supply	24 V DC (+30% / -25%)
Power consumption	Ca. 45 W (24 V DC)
Ambient temperature	-30°C...+45°C (Active cooling of the mounting space recommended for high interior console temperatures)
Storage temperature	-50°C...+85°C
Weight	Ca. 7 kg
Protection class	Front side IP65 Rear side IP22
Dimensions	340 x 158 x 87
W x H x D (mm)	Installation depth min. 100 – 110 mm
Panel cutout	330 x 148 mm
Processor	Intel Atom CPU
Operating system	Windows 10 LTSC
Required distance to compass	Steering magnetic compass: 0.90 m Standard magnetic compass: 1.40 m
Approvals	-

Interfaces	1 x CAN (Remote bus; for remote control of the display, for example with AHD-DRM T/R) 1 x RS-232 (for internal diagnostic purposes) 3 x LAN 3 x USB 4 x Video IN (50 Hz, PAL, BNC) 1 x DisplayPort Video Out
Screen diagonal	12.3" (312.4 mm)
Resolution	1280 x 480 Pixels (H x V; max.)
Aspect ratio	8:3
Luminosity	1000 cd/m ²
Contrast	1000:1
Viewing angle	Horizontal -85° / +85° vertical -85° / +85°
Item number	AHD 1312 GW: 24549 AHD 1312 MW: 24550