

AHD 1312 GW

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 also 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 displays to be used in greater temperature ranges than previous displays.

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.

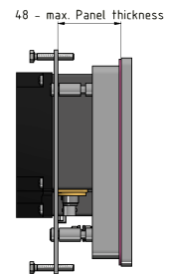
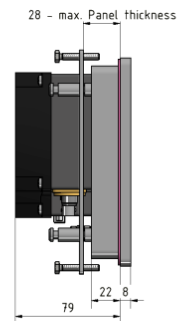
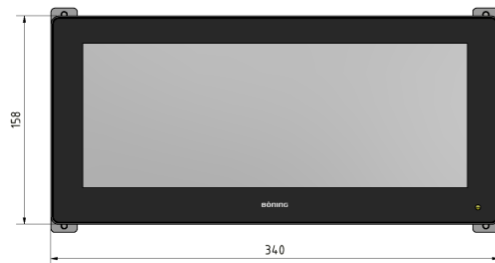
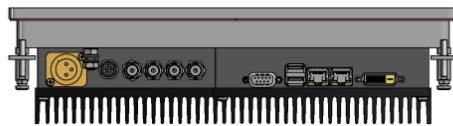
Their 24 V DC power supply makes these devices especially suitable for use on ships. The powerful Panel PCs allow safe and reliable operation, even in extreme conditions.

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.

Dimensions



Technical Data

Power supply	24 V DC (+30% / -25%)	Interfaces	1 x CAN (Remote bus; for remote control of the display, e.g. with AHD-DRM T/R)
Power consumption	Ca. 45 W (24 V DC)		1 x RS 232 (for internal diagnosis purposes)
Ambient temperature	-30°C...+55°C (-30°C...+70°C at interior console temperature of max. +45°C)		2 x LAN (integration into the ship's Böning system)
Storage temperature	-50°C...+85°C		2 x USB
Weight	Ca. 7 kg		4 x Video IN (50 Hz, PAL, BNC)
Protection class	IP 65 (front side), IP 20 (rear side)	Display size (diagonal)	12.3" (312.4 mm)
Dimensions W x H x D (mm)	340 x 158 x 87	Resolution	1280 x 480 pixels (H x V; max.)
Installation depth	min. 100 – 110 mm	Aspect ratio	8:3
Panel cutout	330 x 148 mm	Luminosity	1000 cd/m ²
Processor	2.0 GHz Quad Core	Contrast	1000:1
RAM	8 GB	Viewing angle	Horizontal -85° / +85° vertical -85° / +85°
Flash disk	128 GB	Required distance to compass	Steering magnetic compass: 0.90 m Standard magnetic compass: 1.40 m
Approvals	-	Item number	16366