AHD 1310 F
Panel PC with Touchscreen and Foil Front

- **Panel PCs with touch screen and bonded foil front**
- **All in one solution for quick installation – saves space and costs**
- **Powerful PC system for enhanced performance**
- **Can also be integrated into existing systems**

Böning 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/m^2 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 touch screen 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.

Basic functions such as alarm acknowledgement and brightness control can be performed with buttons.
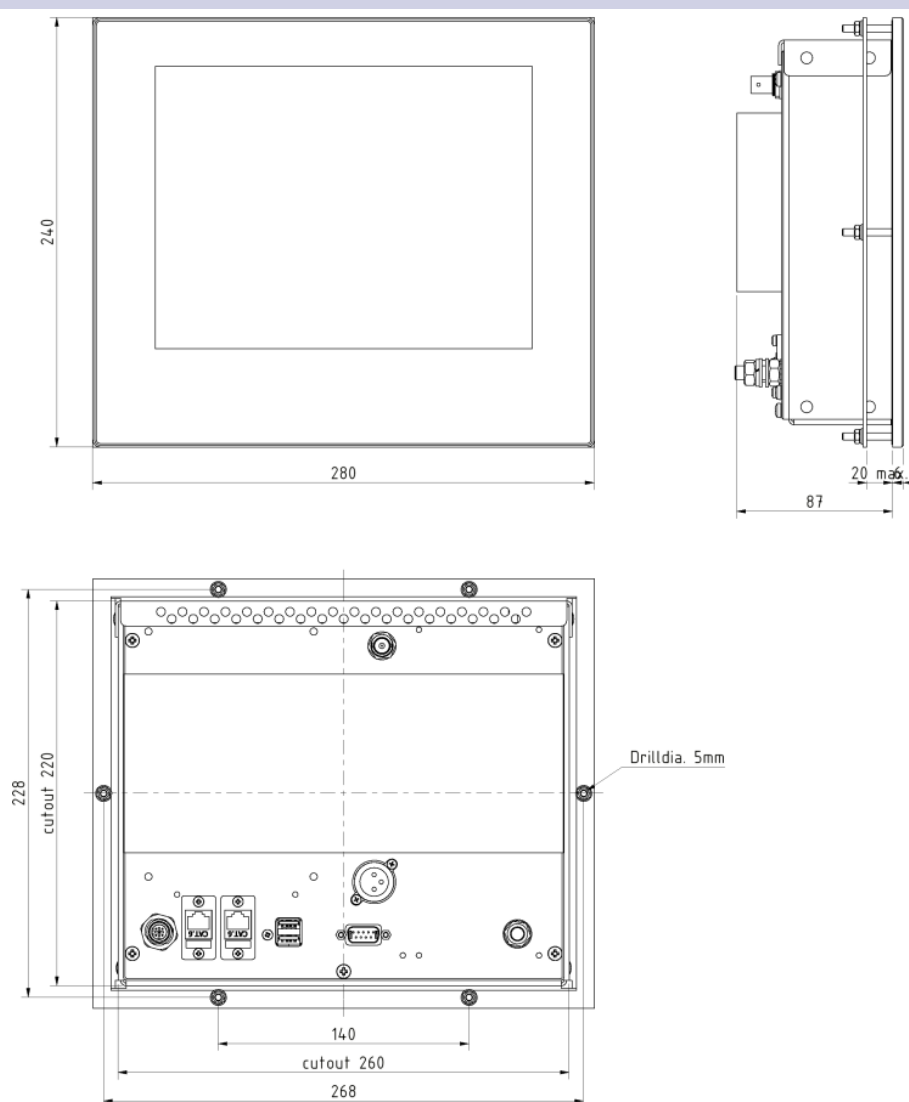
Their 24 V DC power supply makes these devices especially suitable for use on ships. The powerful Panel PCs allow safe and reliable operation, even in extreme conditions.

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

These 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 1310 F must be used with a data processing station AHD-DPU 9 or a panel PC AHD 12XX.

Böning
SHIP AUTOMATION

Dimensions

240
280
20 max.
87

228
cutout 220
Drilldia. 5mm
CAT.6
CAT.6
140
cutout 260
268

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)
				2 x USB
Storage temperature	-50°C...+85°C			1 x Video (50 Hz, PAL, BNC)
Weight	Ca. 7 kg		Resolution	1024 x 768 pixels (H x V; max., XGA);
Protection class	IP 56 (front side), IP 20 (rear side)		Luminosity	1000 cd/m^2 LED
Dimensions W x H x D (mm)	280 x 240 x 93 Installation depth min. 140 mm		Contrast	600:1
Panel cutout	260 x 220 mm		Viewing angle	Horizontal -89° / +89° vertical -89° / +89°
Processor	2.0 GHz Quad Core			
RAM	8 GB		Required distance to compass	Steering magnetic compass: 0.60 m Standard magnetic compass: 1.00 m
Flash disk	128 GB			
Approvals	DNV, CR, LR, RS		Item number	16348