

AHD 1310 F

Panel PC with touchscreen and film-covered front panel



- **Panel PC with touchscreen and film-covered front panel**
- **All-in-one solution for quick installation – space-saving and cost-effective**
- **High-performance PC system for advanced functionality**
- **Excellent readability thanks to increased brightness and contrast**

The new AHD 1310 F (4th generation) Panel PC is part of the current display and Panel PC model series, featuring improved readability thanks to increased brightness and contrast.

Enhanced performance and functionality are combined in a modern design, increasing safety and ease of use on ship bridges. With a brightness of up to 1000 cd/m^2 , good readability is guaranteed even in strong sunlight. Automatic dimming ensures that the displays operate without glare, even during night voyages.

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

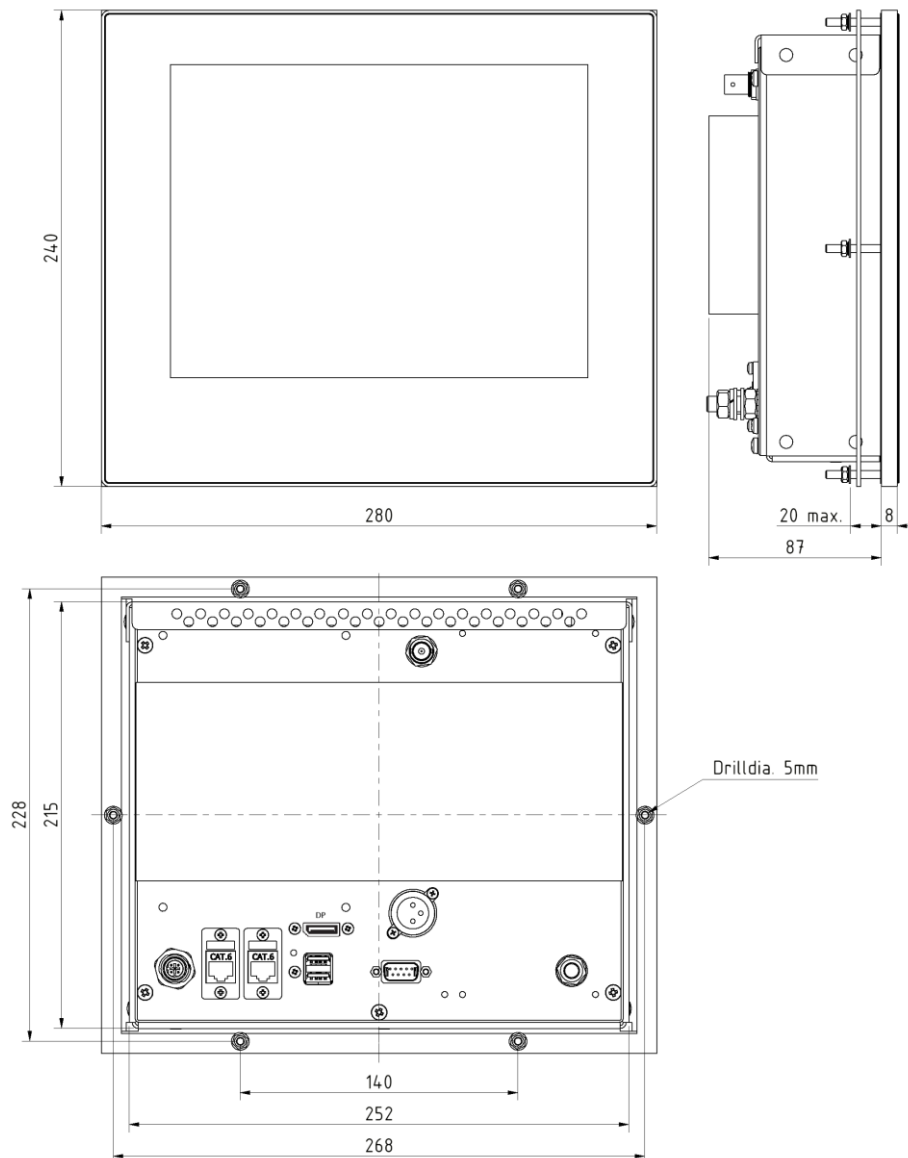
The capacitive touchscreen enables convenient operation, and the latest display technology delivers even more brilliant colors.

Basic functions such as alarm acknowledgment and brightness control are accessible via front-panel buttons.

The integrated PC system ensures safe and reliable operation even under extreme conditions. The PC module was developed specifically for shipbuilding and contains no mechanical or moving parts whatsoever. Thanks to the passive cooling system, the device operates completely silently.

The visualization system, which runs on a closed operating system, operates autonomously. This protects the configuration and prevents unintended changes. Furthermore, neither a firewall nor a virus scanner is required, so regular updates are also unnecessary.

Dimensions



Technical Data

Power Supply	24 V DC (+30% / -25%)
Power consumption	Approx. 45 W (24 V DC)
Ambient Temperature	-30 °C...+45 °C (active cooling of the mounting space recommended for high interior console temperature)
Storage temperature	-50 °C...+85 °C
Weight	Approx. 7 kg
Protection class	IP 56 (front), IP 22 (rear)
External dimensions	280 x 240 x 93
W x H x D (mm)	Installation depth min. 140 mm
Panel cut-out (mm)	260 x 220
Operating system	Windows 10 LTSC
Required distance from the compass	Steering magnetic compass: 0.60 m Standard magnetic compass: 1.00 m
Approvals	ABS, CRS, DNV, LR, RINA

Interfaces	1 x CAN (remote control)
	1 x RS-232 (internal diagnostics)
	2 x LAN (system integration)
	2 x USB (e.g., for a mouse)
	1 x Video IN (50 Hz, PAL, BNC)
	4K DisplayPort Video OUT
Display Resolution	1024 x 768 pixels (H x V)
Colors	16,7 M
Brightness	1000 cd/m ²
Contrast ratio	600:1
Viewing angle	Horizontal: 178° , Vertical: 178°
Aspect ratio	4:3
Item Number	AHD 1215 G (glass): 24479 AHD 1215 M (glass matt): 24556