AHD 1215 F
Panel PCs with Touchscreen and Foil Front



- ***Panel PC with touchscreen and foil 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 1215 F 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/m^2, 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.

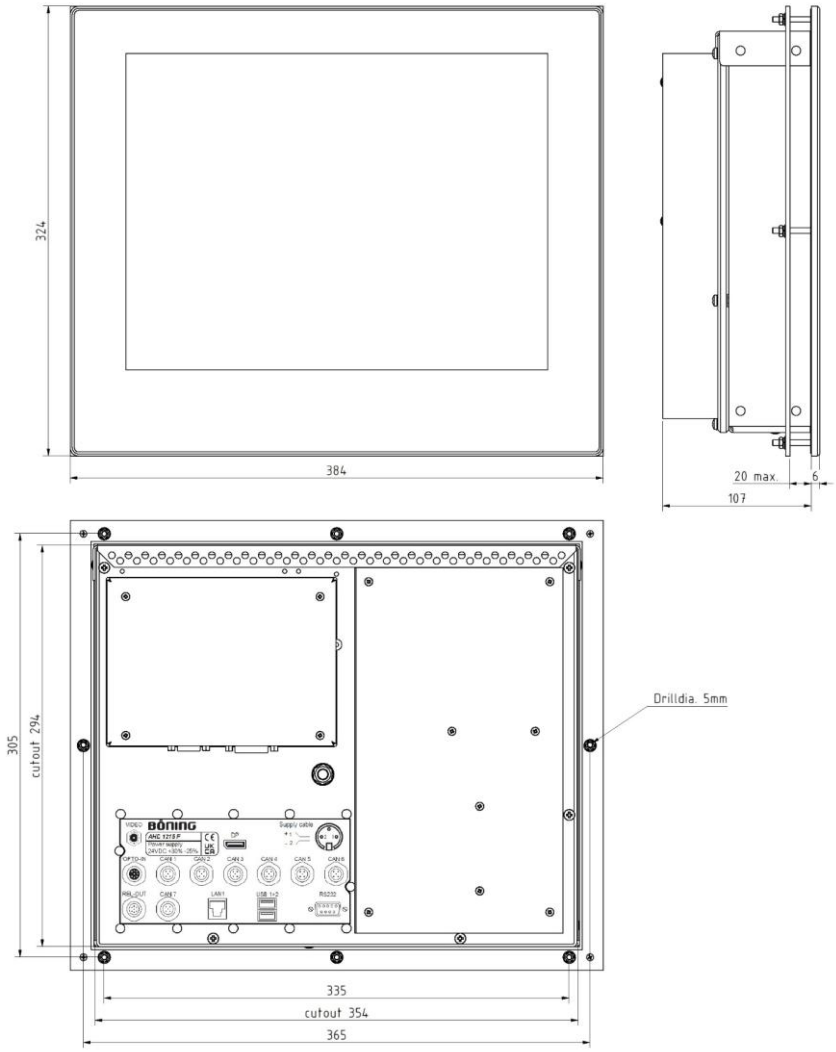
The integrated PC system ensures safe and reliable operation even under extreme conditions. The PC module have been specially developed for shipbuilding and there are no mechanical or moving components. Thanks to the passive cooling system, the device operates completely silently.

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.

BÖNING
SHIP AUTOMATION

Dimensions



Technical data

Power supply	24 V DC (+30% / -25%)
Power consumption	Approx. 60 W (24 V DC)
Ambient temperature	-30°C...+ 45°C (active cooling of the mounting space recommended for high interior console temperature)
Storage temperature	-30°C...+85°C
Weight	Approx. 10 kg
Protection class	IP 56 (front), IP 22 (rear)
External dimensions W x H x D	384 x 324 x 117 mm Installation depth min. 140 mm
Console cut-out	354 x 294 mm
Processor	Intel Atom CPU
Operating system	Windows 10 LTSC
Required distance to the compass	Steering magnetic compass: 0.80 m Standard magnetic compass: 1.65 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
Display Resolution	1024 x 768 pixels (H x V)
Colors	16,7 M
Luminosity	1600 cd/m²
Contrast ratio	6500:1
Viewing angle	Horizontal: 176° , Vertical: 176°
Aspect ratio	4:3
Item number	AHD 1215 F: 25971 *(identical to #24464)* with 2xDVI IN / 1xVGA IN 24472