

## **AHD 1215 F**

### **Panel PCs with Touchscreen and Foil Front**



- **Panel PCs with touchscreen and foil front**
- **All in one solution for quick installation – saves space and costs**
- **Powerful PC system for enhanced performance**
- **Significantly improved readability due to increased luminosity and contrast**

The new panel PCs AHD 1215 F are part of the latest model series of 15-inch displays and panel PCs with improved readability due to increased luminosity and contrast.

Combining increased performance and functionality in a modern design, they increase operational safety and ease of operation on ship bridges. Their luminosity of up to 1600 cd/m<sup>2</sup> ensures good readability at all times, even during bright sunlight. Automatic dimming ensures that the displays operate glare-free especially when cruising at night.

Their 24 V DC power supply makes these devices especially suitable for use on ships.

The capacitive touchscreen allows comfortable operation; the latest display technology provides even more brilliant colors.

Basic functions such as alarm acknowledgement and brightness control can be quickly accessed with the built-in buttons.

The powerful Panel PCs AHD 1215 F allow safe and reliable operation, even in extreme conditions.

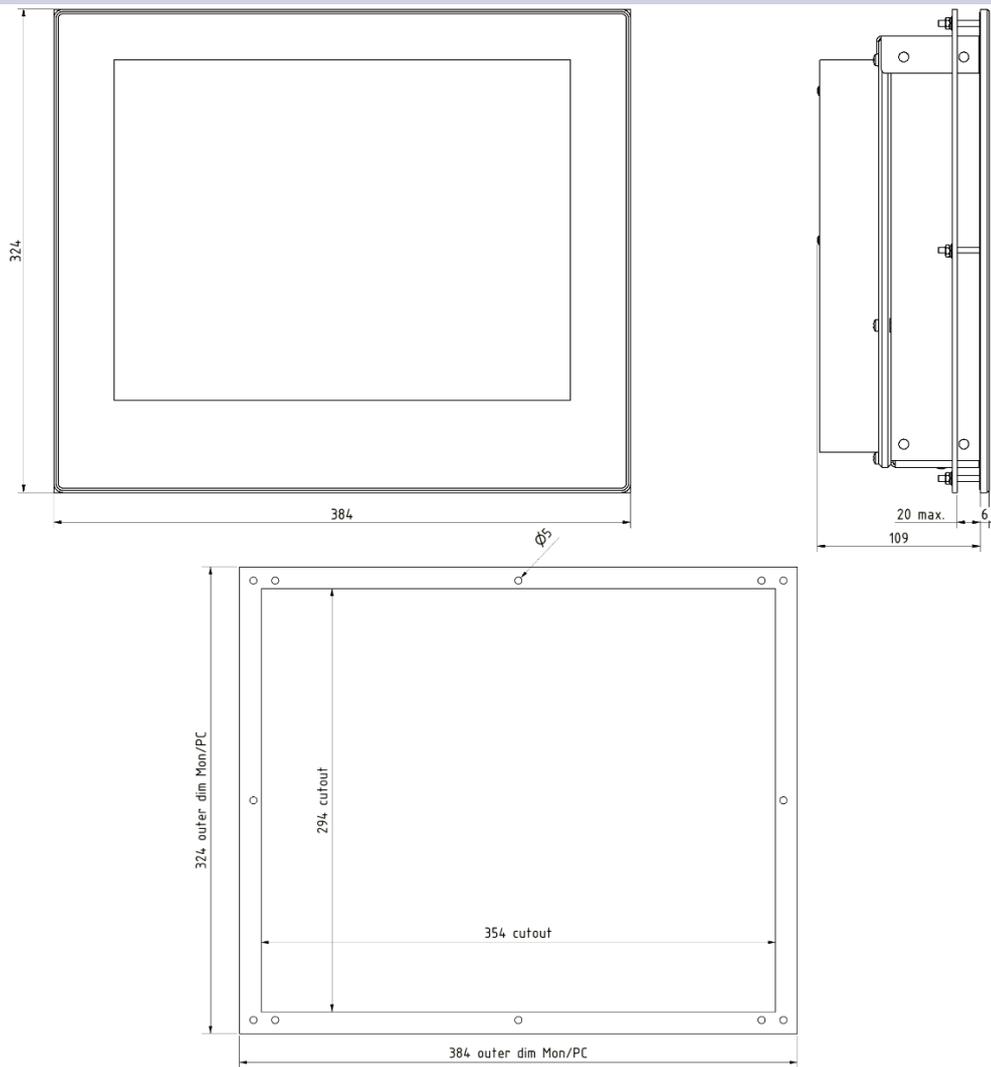
The visualization system with embedded operating system operates completely autonomously. Advantage: it requires neither firewalls nor virus scanners, and in addition, the configuration cannot be changed by accident.

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

Optionally, the device is available without DVI and VGA interfaces. With this variant, for example, no electronic nautical charts can be displayed.

Due to the changed characteristics, the panel PCs should not be installed next to displays and panel PCs of the previous model series.

## Dimensions



## Technical Data

Power supply	24 V DC (+30% / -25%)
Power consumption	Ca. 60 W (24 V DC)
Ambient temperature	-30°C...+55°C (-30°C...+70°C at interior console temperature of max. +45°C)
Storage temperature	-50°C...+85°C
Weight	Ca. 10 kg
Protection class	IP 56 (front side), IP 20 (rear side)
Dimensions	384 x 324 x 115 mm
W x H x D	Installation depth min. 140 mm
Panel cutout	354 x 294 mm
Processor	2.0 GHz Quad Core
RAM	8 GB
Flash disk	128 GB
Required distance to compass	Steering magnetic compass: 0.75 m Standard magnetic compass: 1.25 m
Approvals	CRS, DNV, LR, RS

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 (50 Hz, PAL, BNC), 2 x DVI IN (Optional) 1 x VGA (Optional) Digital IN (4 x optocoupler) Digital OUT (5 x relay)
Resolution	1024 x 768 pixels (H x V; max., SVGA)
Colors	16.7 M
Luminosity	1600 cd/m <sup>2</sup>
Contrast	6500:1
Viewing angle	Horizontal 176° vertical 176°
Aspect ratio	4:3
Item number	21342 21343 (Without DVI and VGA)