

## **AHD 1219 F** **Panel PCs with Foil Front**



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

The new AHD 1219 F (4th generation) panel PC is part of the current line of displays and panel PCs, featuring improved readability thanks to increased brightness and contrast.

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<sup>2</sup> 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. Their 24 V DC power supply makes these devices especially suitable for use on ships.

The latest display technology provides even more brilliant colors and a markedly increased view angle. Basic functions such as alarm acknowledgement and brightness control can be quickly accessed with the built-in buttons.

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

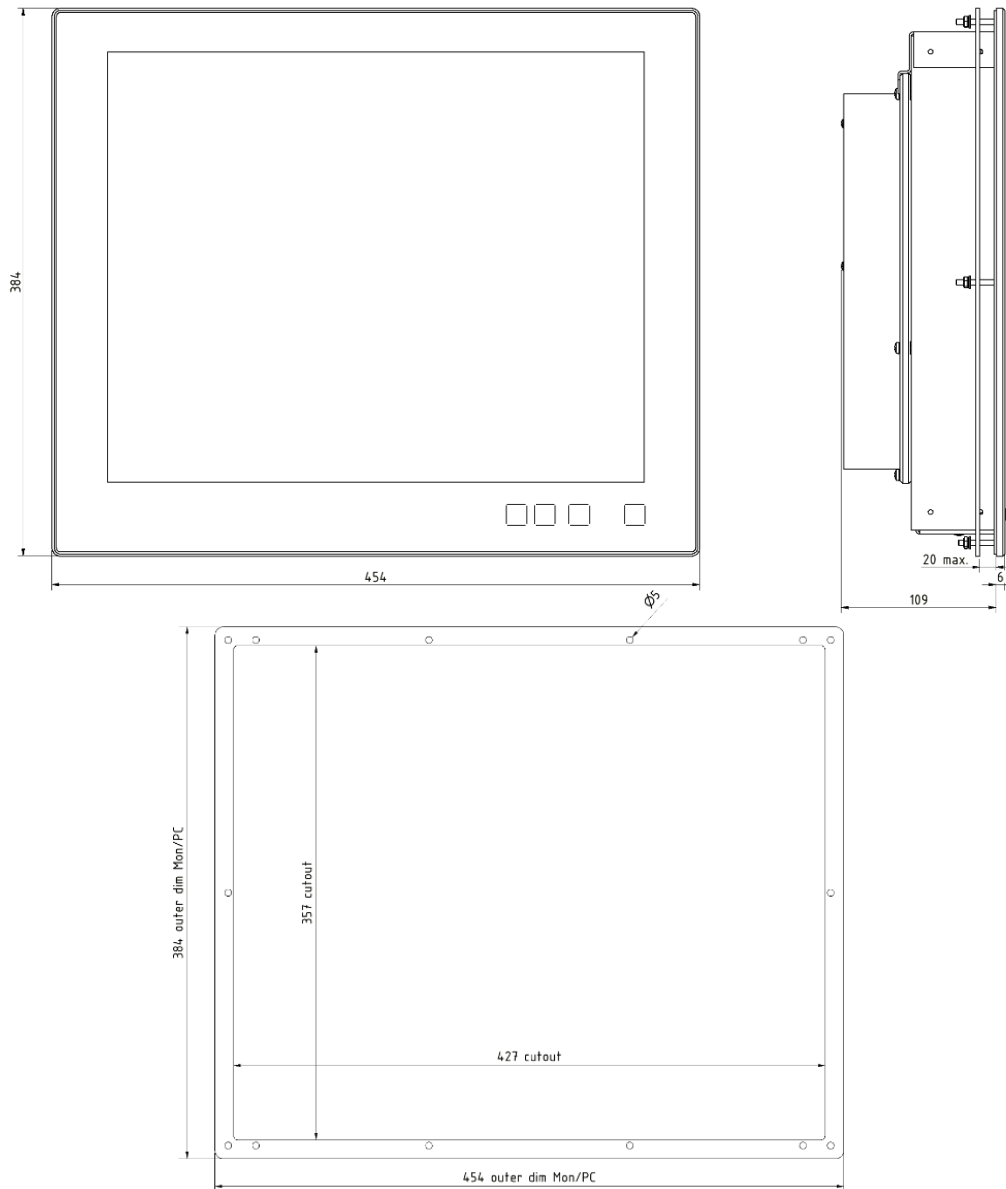
The visualization system with embedded operating system operates completely autonomously. Advantage: it requires neither firewalls nor virus scanners, and in addition, the configuration cannot be changed by accident.

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.

The device is optionally available with DVI and VGA interfaces for displaying for example electronic sea charts.

If no external video input is required, for example or displaying electronic nautical charts, the device is also available without DVI and VGA interfaces.

## Dimensions



## Technical Data

|                              |   |
|------------------------------|---|
| Power supply                 | 24 V DC (+30% / -25%)   |
| Power consumption            | Ca. 60 W (24 V DC)  |
| Ambient temperature          | -30°C...+45°C (active cooling of the mounting space recommended for high interior console temperatures) |
| Storage temperature          | -30°C...+85°C   |
| Weight                       | Ca. 12 kg   |
| Protection class             | Front side: IP56<br>Rear side IP22  |
| Dimensions                   | 454 x 384 x 115   |
| W x H x D (mm)               | Installation depth min. 140 mm  |
| Panel cutout (mm)            | 427 x 357   |
| Processor                    | Intel Atom CPU  |
| Operating system             | Windows 10 LTSC   |
| Required distance to compass | Steering magnetic compass: 1.00 m<br>Standard magnetic compass: 1.80 m                                  |
| Approvals                    | ABS, CRS, DNV, LR, NMEA, 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)                       |
| Resolution    | 2 x DVI IN / 1 x VGA IN (Option)                     |
|               | Digital IN (4 x optocouplers)                        |
| Luminosity    | Digital OUT (5 x relay)                              |
|               | 4k Display-Port Video OUT                            |
| Contrast      | 1280 x 1024 pixels (H x V; max., SXGA)               |
| Viewing angle | 1000 cd/m <sup>2</sup>                               |
|               | 2000:1   |
| Item number   | Horizontal -89° / +89°                               |
|               | vertical -89° / +89°                                 |
| Item number   | AHD 1219 F: 24475                                    |
|               | Without DVI and VGA: 24467                           |