

AHD 1300 Embedded PC



- ***Solid State Drive***
- ***Low Energy Consumption***
- ***No Moving Parts***
- ***Passive Cooling System***
- ***Video Frame Grabber***
- ***Isolated 24VDC***
- ***Isolated Interfaces***
- ***Visualization of External Image Data Sources (Cameras)***

The acquisition of ship's data, general status messages, and alarms is an essential part of modern alarm and safety systems. The steady increase of complexity and volume of generated information creates higher demands on performance of data acquisition systems. The integrated PC of AHD 1300 Slim satisfies this premise perfectly.

One CAN bus interface, two LAN interfaces, and two USB interfaces are available. All interfaces are connected individually by standardized plug connectors.

The Embedded PC AHD 1300 Slim is designed for bulkhead and DIN rail mounting.

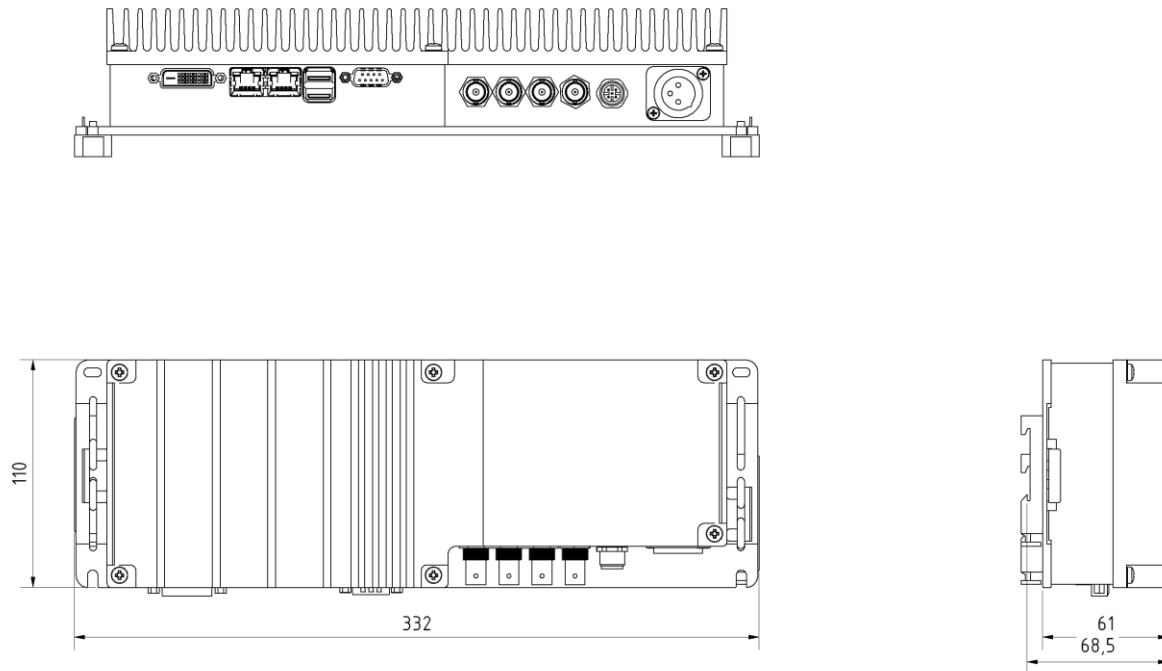
Their 24 V DC power supply makes these devices especially suitable for use on ships. The powerful PCs allow safe and reliable operation, even in extreme conditions.

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.

The PC was especially developed for ship building. The elimination of mechanically movable components, such as hard disks or fans, renders the device impact resistant. The passive cooling system significantly contributes to its operational safety.

AHD 1300 Slim must be used with a data processing station AHD-DPU 9 or a panel PC AHD 12XX.

Dimensions



Technical Data

Power supply	24VDC (+30%/-25%)
Power consumption	Appr. 45W (24VDC)
Operating temperature	-30°C...+55°C
Storage temperature	-30°C...+70°C
Weight	Appr. 4 kg
Degree of protection	IP 20
Dimension W x H x D (mm)	332 x 110 x 70 (installation depth 130 mm min.)
Processor	2.0 GHz Dual Core
RAM	4 GB
Flash Disk	8 GB

Interfaces	1 x CAN (Remote bus; for the remote control of the display, e.g. with AHD-DRM)
	1 x RS 232 (for internal diagnosis purposes)
	2 x LAN (for connection to the ship-internal alarm, monitoring and control system))
	2 x USB
	1 x DVI-I OUT
	4 x Video IN (PAL)
Resolution	Max. 1920 x 1200 pixels
Approvals	In preparation: DNV GL, LR
Required distance to compass	Standard magn. compass: 50 cm Steering magn. compass: 40 cm