AHD 1300
Embedded PC

- **Solid State Drive**
- **Low energy consumption**
- **No moving parts**
- **Passive cooling system**
- **Video frame grabber**

- **Isolated 24 V DC**
- **Isolated interfaces**
- **Visualization of external image data sources (Cameras)**

The acquisition of ship data, general status messages, and alarms is an essential part of modern alarm and safety systems. The continuous 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 these demands perfectly.

With its three LAN interfaces the device is integrated into the ship's Böning system. The CAN interface is used for remote control of a connected display.

All interfaces are connected individually with 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.
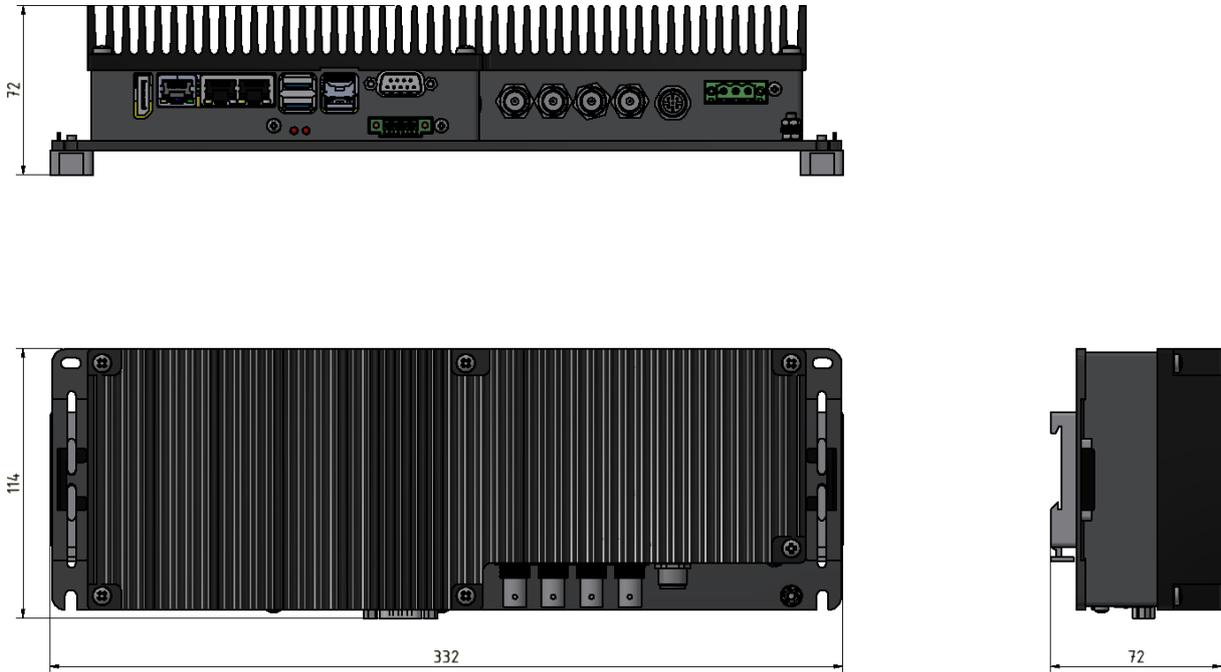
The visualization system with embedded operating system operates completely autonomously. Advantage: it requires neither firewalls nor virus scanners, and the configuration cannot be changed accidentally.

The PC was especially developed for maritime use. The absence of moveable parts, such as hard disks, makes the device insensitive to shock. 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.

An adapter (item no. 21094) is available for connecting displays without a DisplayPort interface.

BÖNING
SHIP AUTOMATION

Dimensions

Technical Data

Power supply	24 V DC (+30%/-25%)	Interfaces	1 x CAN (Remote bus; for the remote control of the display, for example with AHD-DRM T/R)
Power consumption	Approx. 45 W (24 V DC)		
Operating temperature	-30 °C...+55 °C (Active cooling of themounting space recommended for high interior console temperatures)		1 x RS-232 (for internal diagnostic purposes)
			3 x LAN
Storage temperature	-50 °C...+70 °C		3 x USB
Weight	Approx. 4 kg		1 x Relay for optical alerting
Protection class	IP20		1 x Relay for acoustical alerting
Dimensions	332 x 110 x 70		1 x DisplayPort video out
W x H x D (mm)	Installation depth 130 mm min.		4 x Video IN (50 Hz, PAL, BNC)
Processor	Intel Atom CPU	Resolution	3840 x 2160 Pixels (H x V; max.)
Operating system	Windows 10 LTSC	Item number	24553
Required distance to compass	Steering magnetic compass: 0.40 m Standard magnetic compass: 0.50 m		
Approvals	-		