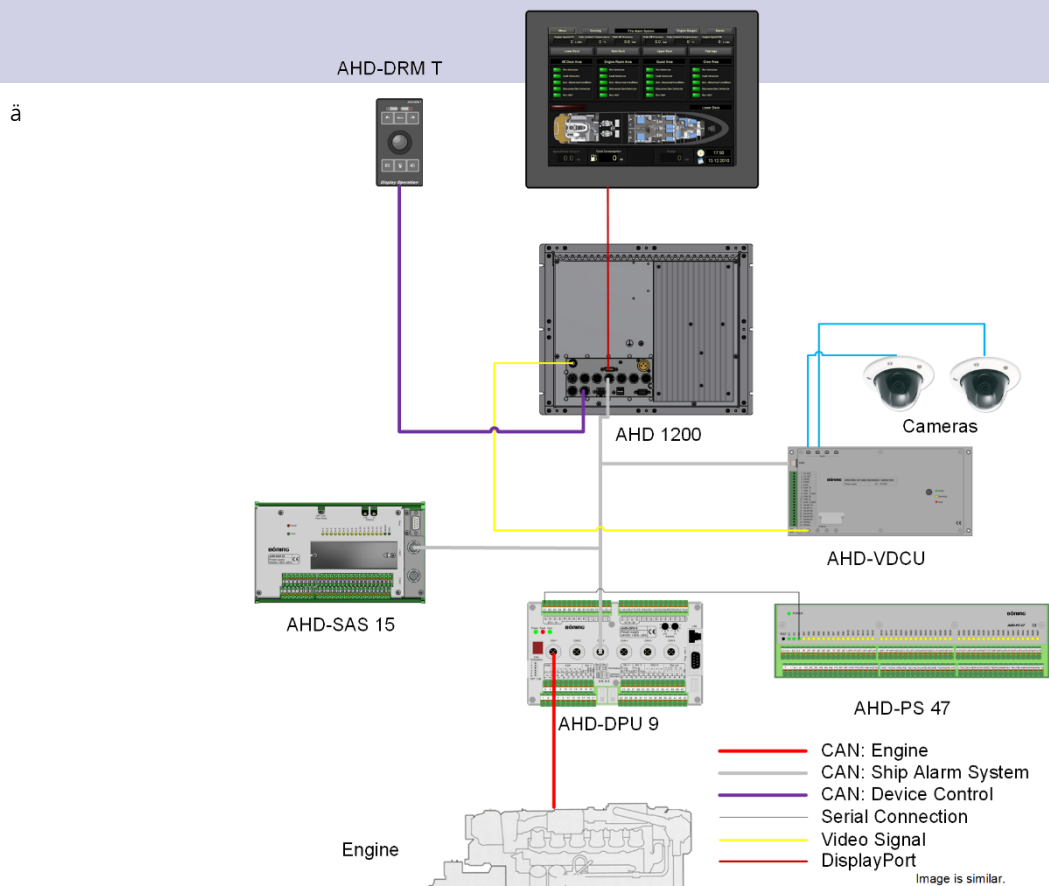


AHD 1200 Embedded PC



- **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 the complexity and volume of generated information creates higher demands on the performance of data acquisition systems. The integrated PC of AHD 1200 satisfies these demands perfectly.

With the Embedded PC AHD 1200 devices from third-party manufacturers can be integrated into the Böning ship alarm, monitoring and control system.

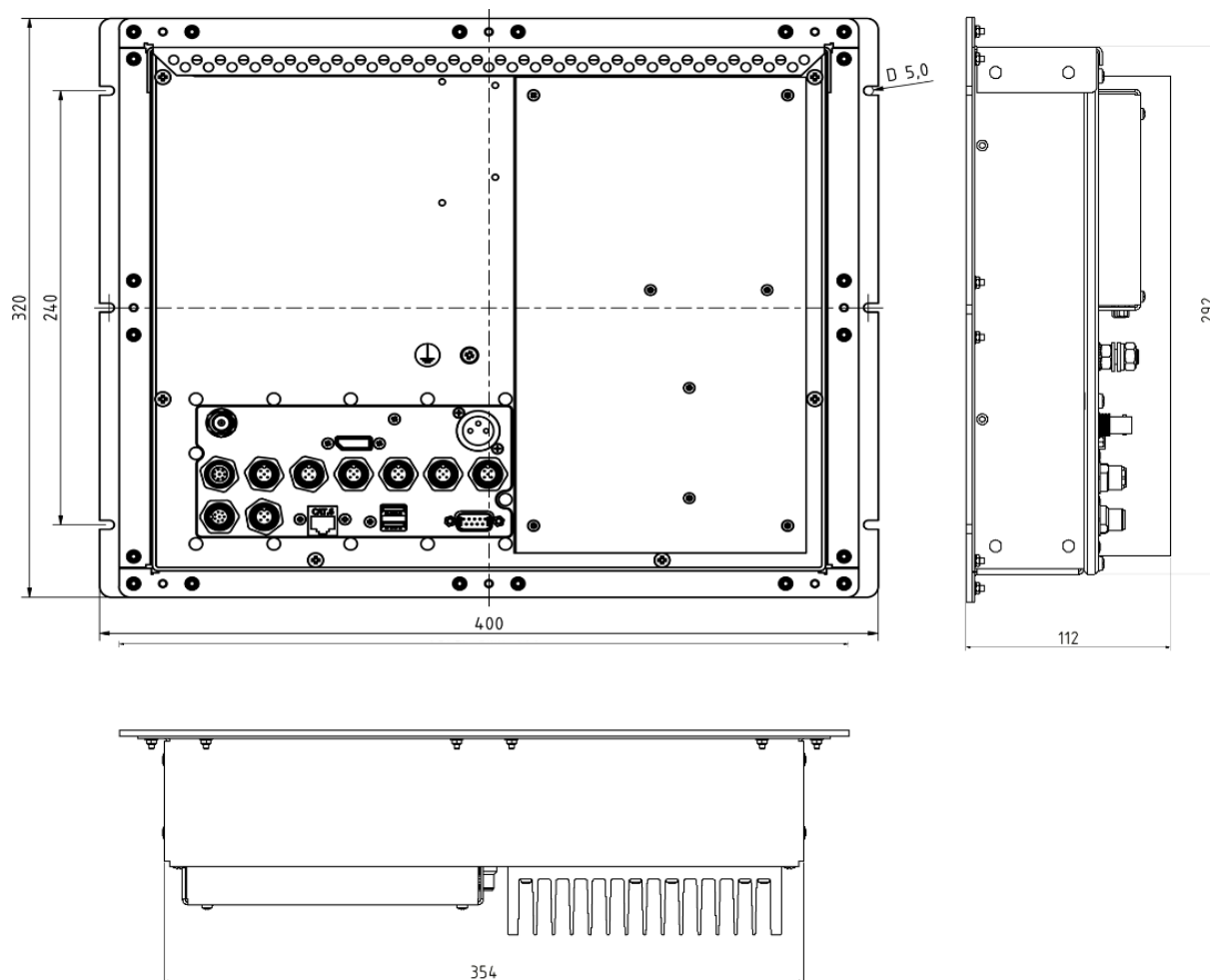
For this, seven CAN bus interfaces, one LAN interface and one USB interface are available. All interfaces are connected individually with standardized plug connectors.

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

The powerful processor reads all supported protocols (NMEA 0183, SAE J1939, ...) and sends the required information in real-time to a redundant CAN bus for presentation on ship alarm displays. As a part of the Böning product family the device can be adapted individually to the respective monitored system with a configuration tool.

The Embedded PC AHD 1200 is designed for bulkhead mounting. The device was developed specially for maritime use. Its passive cooling system without fans and air exhausts ensures the effective cooling of the device components. The absence of moveable parts, such as hard disks, makes the device insensitive to shock and thus ideally suited for use on ships.

Dimensions



Technical Data

Power supply	24 V DC (+30% / -25%)	Interfaces	7 x CAN (6 x system integration, 1 x remote control)
Power consumption	Appr. 45 W (24 V DC)		1 x RS-232 (for example for GPS)
Operating temperature	-30°C...+45°C (active cooling of the mounting space recommended for high interior console temperatures)		1 x LAN (for example for AHD-WNL or a printer)
Storage temperature	-50°C...+70°C		1 x USB (for example for a mouse)
Weight	Ca. 10 kg		1 x Video IN (50 Hz, PAL, BNC)
Degree of protection	IP20		1 x DisplayPort
Dimensions	400 x 320 x 112		Digital IN (4 x optocoupler)
W x H x D (mm)	Installation depth 130 mm min.		Digital OUT (5 x relay, 1 A / 30 V DC)
Processor	Intel Atom CPU	Resolution	1920 x 1200 pixels (H x V; max.)
Operating system	Windows 10 LTSC	Item number	24554
Required distance to compass	Steering magnetic compass: 0.50 m Standard magnetic compass: 0.40 m		
Approvals	ABS, CRS, DNV, LR, RINA		