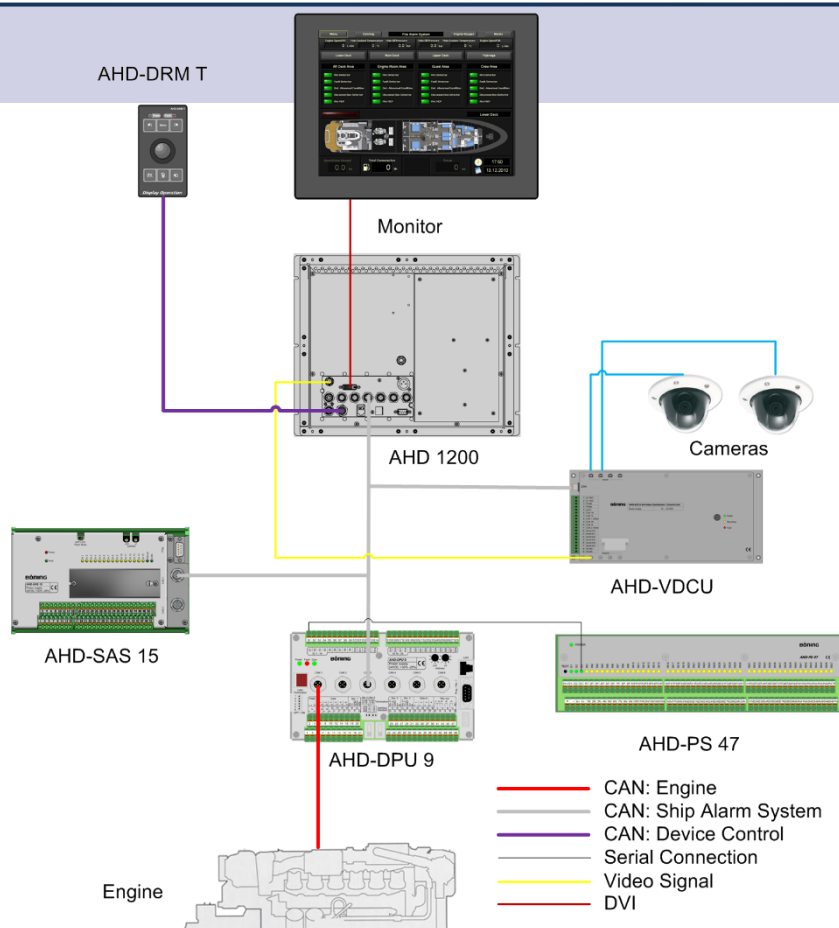


# AHD 1200 Embedded PC



- **Solid State Drive**
- **Low Energy Consumption**
- **No Moving Parts**
- **Passive Cooling System**
- **Video Frame Grabber**

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.

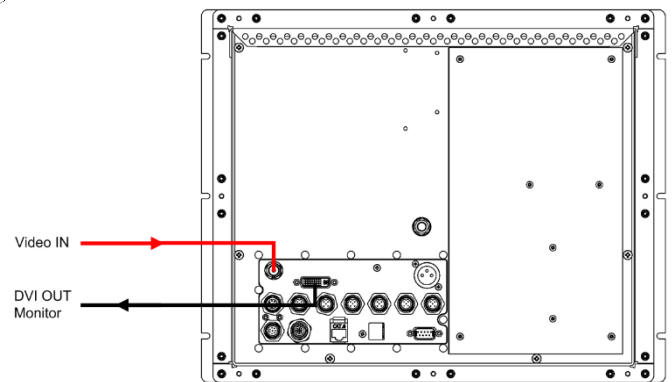
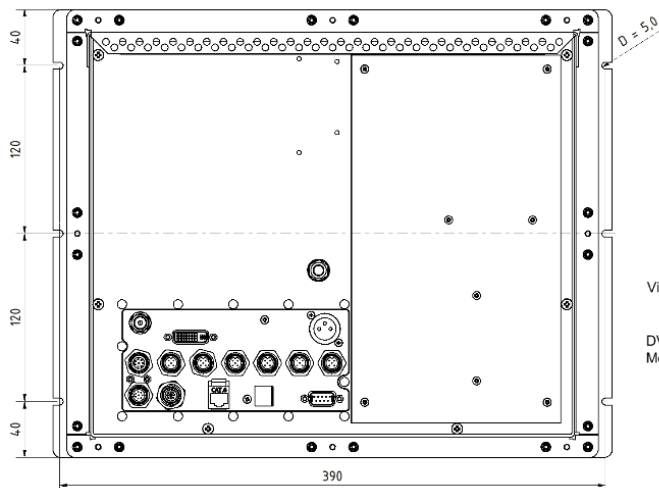
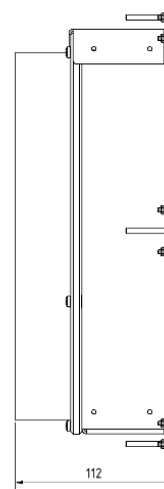
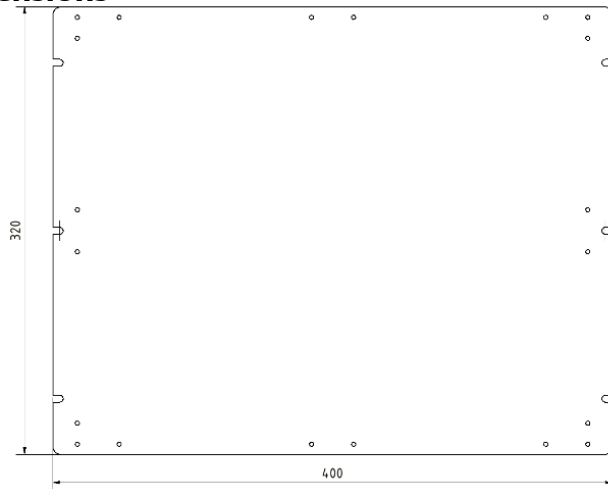
With the Embedded PC AHD 1200 devices from third-party manufacturers can be integrated into the Böning ship alarm, monitoring and control system. For this, seven CAN bus interfaces, one LAN interface and two USB interfaces are available. All interfaces are connected individually with standardized plug connectors.

- **Isolated 24 V DC**
- **Isolated Interfaces**
- **Visualization of External Image Data Sources (Cameras)**

The powerful processor reads all supported data 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%)
Power consumption	Appr. 45 W (24 V DC)
Operating temperature	-30°C...+55°C
Storage temperature	-50°C...+70°C
Weight	Ca. 10 kg
Degree of protection	IP 20
Dimensions	400 x 320 x 112
W x H x D (mm)	Installation depth 130 mm min.
Processor	2.0 GHz Dual Core
RAM	4 GB
Flash disk	128 GB
Approvals	DNV, CRS, 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 (for example for AHD-WNL or a printer)
	2 x USB (for example for a mouse)
	Video IN (50 Hz, PAL, BNC)
	DVI-I OUT (DVI-I)
	Digital IN (4 x optocoupler)
Resolution	Digital OUT (5 x relay)
	1920 x 1200 pixels (H x V; max.)
Required distance to compass	Steering magn. compass: 0.50 m
	Standard magn. compass: 0.40 m
Item number	18554