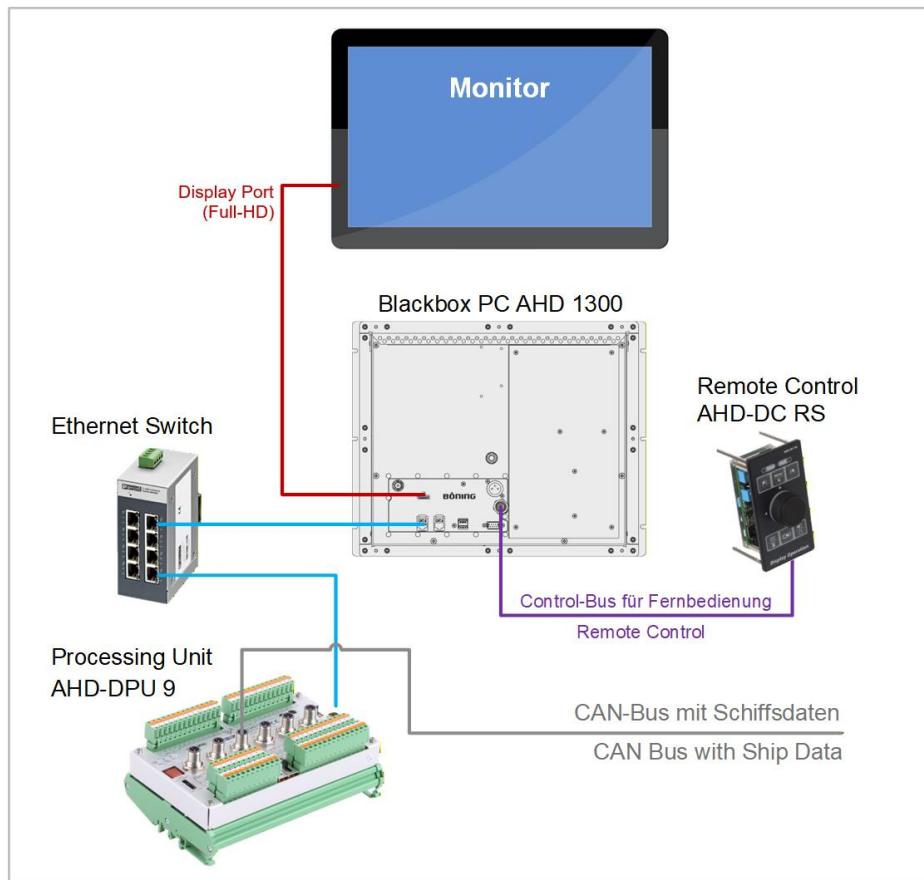


AHD 1300 Blackbox PC



- **Solid-state drive**
- **Low power consumption**
- **No moving parts**
- **Passive cooling system**
- **Video frame grabber**
- **Galvanically isolated 24 V DC**
- **Isolated interfaces**
- **Visualization of external video sources (camera input)**

The AHD 1300 (Generation 4) is an embedded black box PC designed primarily for integrating third-party devices into the Böning ship alarm, monitoring, and control system. Its two LAN interfaces enable fast and secure communication with the Böning system as a whole. All Böning Remote-CAN control functions are supported via the additional CAN bus. The integrated video input allows for the direct connection of an analog camera.

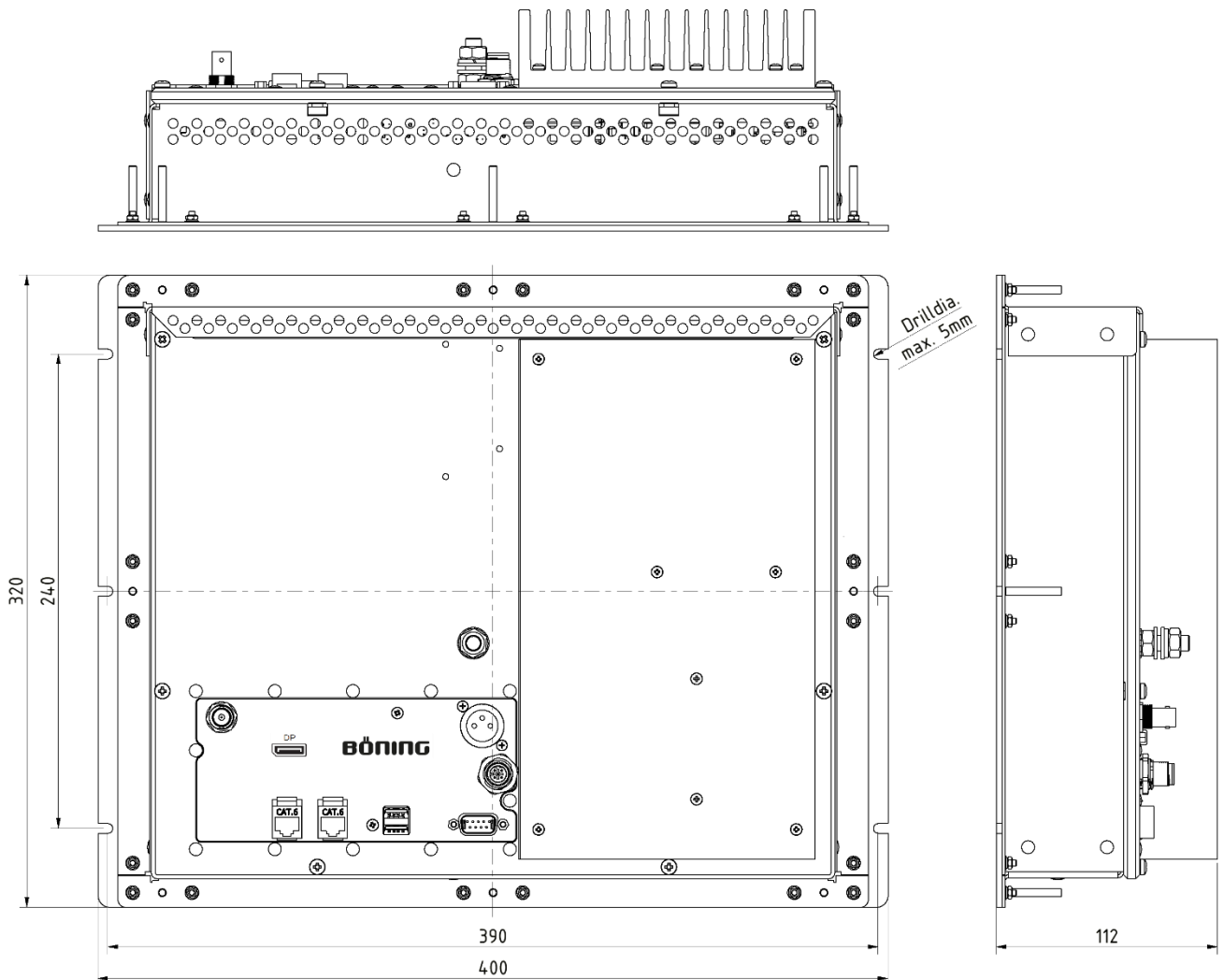
The powerful PC processor processes all incoming data and forwards the relevant information via the available interfaces.

The relevant ship data is visualized according to customer requirements, and the image is output via an integrated 4K DisplayPort.

The AHD 1300 G4 is designed for wall mounting, and the housing was specifically developed for shipbuilding. Thanks to the installation of a passive cooling system and a solid-state drive, the AHD 1300 G4 operates without moving components, making the device shock-resistant and thus ideally suited for use on board ships.

A suitable adapter is available for connecting displays without a DisplayPort interface.

Dimensions



Technical Data

Power supply	24 V DC (+30% / -25%)
Power consumption	Approx. 45 W (24 V DC)
Operating temperature	-30 °C...+55 °C (Active cooling of the mounting space recommended for high interior console temperatures)
Storage temperature	-30 °C...+70 °C
Weight	approx. 10 kg
Protection class	IP20
Dimensions	400 x 320 x 112
W x H x D (mm)	(Min. installation depth 130 mm)
Processor	Intel Atom CPU
Operating system	Windows 10 LTSC
Required distance from the compass	Magnetic steering compass: 0.40 m Magnetic control compass: 0.50 m
Approvals	-

Interfaces	1 x CAN (remote control)
	1 x RS-232 (for service purposes only)
	2 x LAN
	2 x USB
	1 x Video-In (analog camera)
	1 x DisplayPort monitor output
Resolution	Max. 1920 x 1200 pixels (H x V)
Item Number	24555
	AHD 1300 Blackbox Panel PC Gen.4
Accessories	24666
	DisplayPort to DVI Adapter