AHD 1319 GW
Panel PC with Glass Front

- ***Panel PCs with bonded glass front and touchscreen***
- ***All in one solution for quick installation – saves space and costs***
- ***Powerful PC system for enhanced performance***
- ***Can also be integrated into existing systems***

Böning Automationstechnologie's new generation of displays expands its product range in the display category with innovative devices.

Combining increased performance and functionality in a valuable modern design, they increase operational safety and ease of operation on ship bridges. Their luminosity of up to 1000 cd/m² ensures good readability at all times, even during bright sunlight. Automatic dimming further ensures that the displays operate without glare especially when cruising at night.

Automotive components allow the displays to be used in greater temperature ranges than previous displays.

The newest-generation touchscreen allows easy operation without compromising the visualization with visible threads. The latest display technology allows for even more brilliant colors and a markedly increased view angle.

Their 24 V DC power supply makes these devices especially suitable for use on ships. The powerful Panel 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 accidentally.

The PCs were especially developed for maritime. 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 1319 GW must be used with a data processing station AHD-DPU 9 or a panel PC AHD 12XX.

Two installation variants of the device are available: The 12 o'clock variant is viewed best from the top. It is especially suited to the installation in consoles. The 6 o'clock variant is viewed best from below making it suitable for e.g. installation above a window.

In addition, the device is available as the variant AHD 1319 MW with a matt glass front (Gloss 110).

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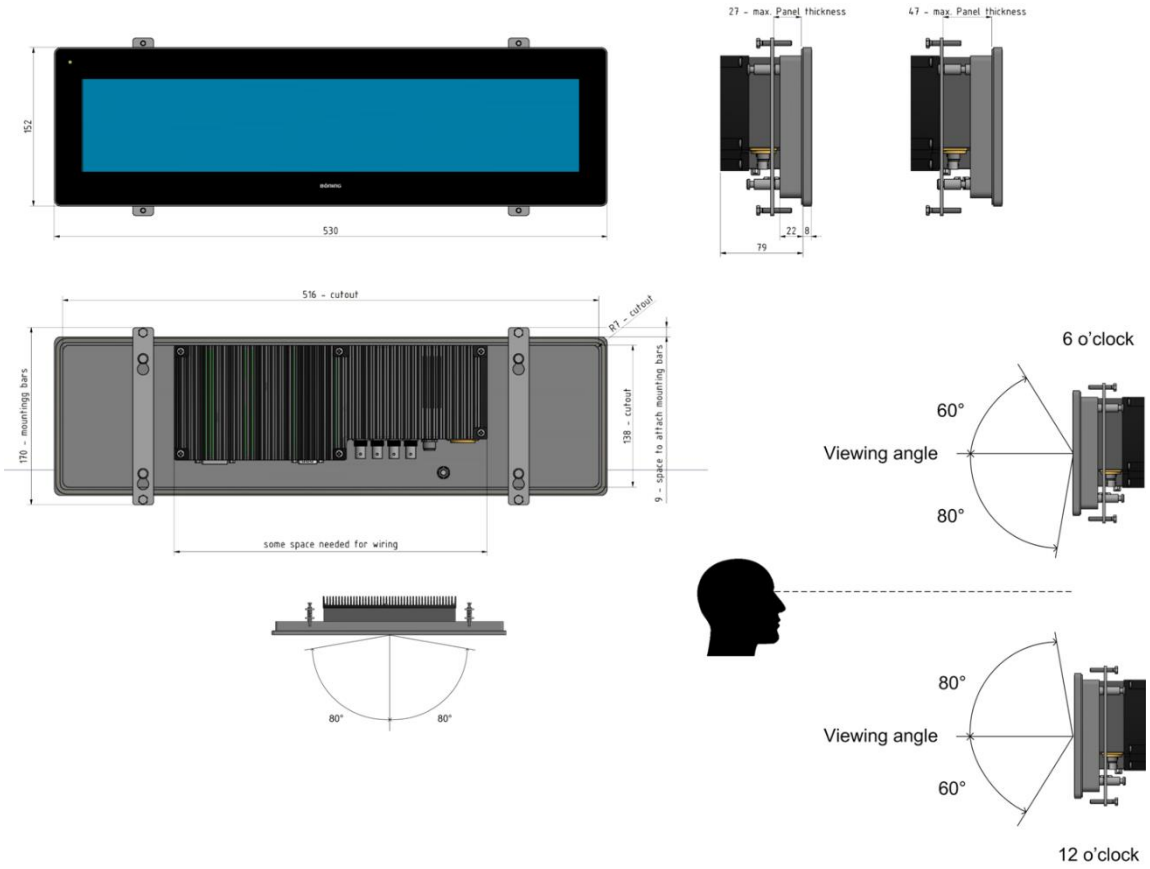
Dimensions



Technical Data

Power supply	24 V DC (+30% / -25%)
Power consumption	Ca. 45 W (24 V DC)
Ambient temperature	-30°C...+55°C (-30°C...+70°C at interior console temperature of max. +45°C)
Storage temperature	-50°C...+85°C
Weight	Ca. 7 kg
Protection class	IP 65 (front side), IP 20 (rear side)
Dimensions W x H x D	530 x 152 x 87 Installation depth min. 100 – 110 mm
Panel cutout	516 x 138 mm
Processor	2.0 GHz Quad Core
RAM	8 GB
Flash disk	128 GB
Approvals	-
Item number	AHD 1319 GW 6 o'clock: 18086 AHD 1319 GW 12 o'clock: 16368 AHD 1319 MW 6 o'clock: 18087 AHD 1319 MW 12 o'clock: 18375

Interfaces	1 x CAN (Remote bus; for remote control of the display, e.g. with AHD-DRM T/R)
	1 x RS 232 (for internal diagnosis purposes)
	2 x LAN (for integration into the ship's Böning system)
	2 x USB
	4 x Video IN (50 Hz, PAL, BNC)
	1 x DVI OUT (for internal purposes)
Screen diagonal	19.2'' (488 mm)
Resolution	1920 x 360 pixels (H x V; max.)
Aspect ratio	16:3
Luminosity	500 cd/m² LED
Contrast	600:1
Viewing angle	Left and right 80°; from below 60°, from above 80° (12 o'clock variant) Left and right 80°; from below 80°, from above 60° (6 o'clock variant)
Required distance to compass	Steering magnetic compass: 1.00 m Standard magnetic compass: 1.80 m