

## **AHD-CPG**

### **Chart Plotter Gateway**



- ***Silent operation***
- ***Fanless aluminum housing for top hat rail mounting***
- ***Small, light and powerful***
- ***Designed for 24/7 operation on board***
- ***Extended temperature range***

The AHD-CPG is used to connect a BÖNING automation system to a modern marine chart plotter. The device is connected via network to a AHD-DPU data station to read all necessary parameters of the ship automation system. Thanks to a powerful internal processor, the data are processed graphically and displayed on a chart plotter. The device supports Ultra High Definition (4K) screen resolution. However, the actual resolution is adapted to the output possibilities of the chart plotter.

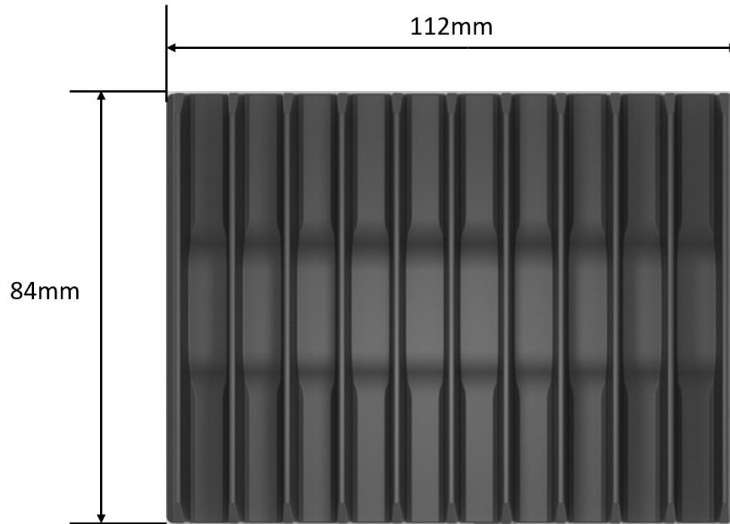
Plotters of the manufacturers Garmin, Raymarine and Furuno are connected via a separate network connection and the graphic visualization is transferred via HTML5 format. The feedback of a touch command is also done via this interface.

Other plotter systems (e.g. of the manufacturer Simrad) can be connected via HDMI (graphics) and USB (touch), presumed that the external device supports this function.

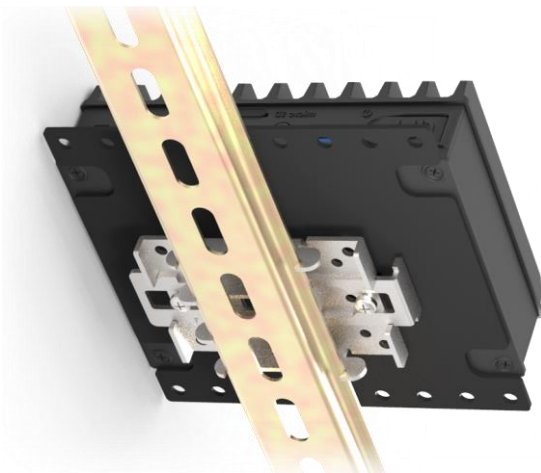
The AHD-CPG was designed for 24/7 operation and meets highest requirements regarding shock and vibration. The extended temperature range increases reliability and allows various installation possibilities.

The compact device can be mounted on a DIN rail next to the data stations of the automation system to save space. The silent hardware was constructed without moving parts and is completely maintenance-free. There is neither a fan nor a hard disk installed.

## Dimensions



## DIN rail mount



## Power supply via safe Twist Lock connection



## Technical Data AHD-CPG

Dimension W x H x D:	112 mm x 34 mm x 84 mm
Assembly type:	DIN rail mount
Weight:	ca. 0,6 kg
Ambient temperature:	-40°C ... +85°C
Protection class:	IP 20
Power supply:	9V DC ... 36V DC or 230V AC via power supply (incl.)
Current consumption:	max. 700mA (24VDC)
Interfaces:	2 x LAN – RJ45 HDMI 1.4b / MiniDisplay Port 2x USB 3.0 + 2x USB 2.0 RS232 - mini serial
Shock test	IEC TR 60721-4-7:2001+A1:03, Class 7M1, test method IEC 60068-2-27 (15g , 6 directions)
Vibration test	IEC TR 60721-4-7:2001+A1:03, Class 7M1, test method IEC 60068-2-64 (up to 2 KHz , 3 axis)
Approvals:	CE
*) Fan-less operation; ventilation required for heat dissipation; no installation in closed housings	