

# Argos<sup>3D</sup> - P310

3D Depth Sensor

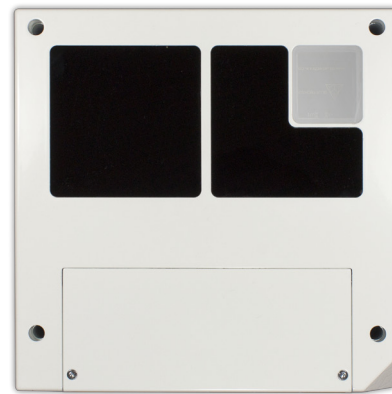


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The Argos 3D – P310 is a depth sensor developed for the use in tough environments. The housing with its protective class IP 44 covers the hardware from dust and water and facilitates the installation outdoor and in harsh environments.

This smart depth sensor delivers depth- and amplitude data for each of the 160 x 120 pixels simultaneously. The actual coverage is more than 10 m indoor and up to 3 m outdoor with a field view of 90°. The data is being dispensed via Ethernet or serial busses. The potential free contacts can be used to trigger external systems.

This depth sensor can be ordered without the housing, starting with 100 pieces per order.

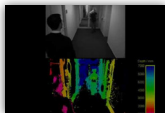


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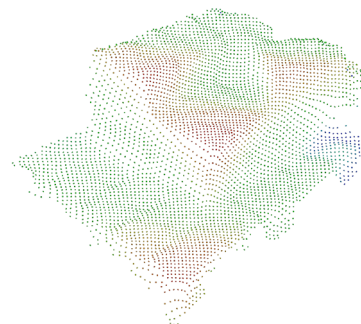
## Highlights

- » 3D depth sensor (160 x 120 pixel)
- » IP 44 protection
- » Up to 40 fps\*
- » Range 10 m Indoor / 3 m Outdoor\*
- » 10/100 Mbit/s Ethernet
- » Field-of-View 90°

## Applications



- » People counting
- » Building Automation
- » 3D light barrier - safety area
- » Goods inspection
- » Security appliances
- » Automation & Control



Argos<sup>3D</sup> - P310 point cloud for e.g. goods inspection

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## Feature Overview

Depth Sensor	PMD ToF (19k-S3) 160 x 120 Pixel up to 40FPS *
FOV	90°
Range	up to 10 m *
LED	up to 2 x 6 high power LEDs
Power Supply	12 - 30 V <sub>DC</sub>
Ethernet	2 x 10 / 100 Mbit/s
Mod Interface (LVDS)	1
RS 232 / RS 485	1
Potential Free Output	4
Potential Free In	2
Temperature Range	Industrial -20 to +60 °C depends on heatsink
Supported OS	Windows Linux
Cooling	Heatsink required
Protection Class	IP 44
Dimensions	200 x 200 x 62 mm

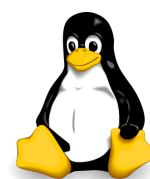
\*FPS & Range depends on integration time, ambient temperature and software configuration

Based on **pmd**  
intelligence

## Software

Argos<sup>3D</sup> - P310 software support

- » Demo Software „Visualizer“
- » Drivers for Win & Linux
- » Framework Support  
MATLAB, MetriCam



## Customization

Argos<sup>3D</sup> - P310 is focused on modularity. Individual base boards with your required interfaces can easily be implemented.

For further information please contact  
[sales@bluetechnix.com](mailto:sales@bluetechnix.com)

## Ordering Information

Order No.	Info
150-2030-1	Argos <sup>3D</sup> - P310 Evaluation Kit

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