



# Vitracom VC-2D AI – Age & Gender

Exact target group analysis through age and gender detection

## Advantages of the VC-2D AI Sensor

- Privacy-by-design: No image transmission, no identification of persons, no generation of biometric templates.
- Recognition of physical characteristics to classify the person (categories of persons)
- Easy integration for partners
- Easy to assemble and set up
- Configurable evaluation area
- Real-time transmission of detections
- Integration with Vitracom Device Management

Vitracom VC-2D AI analyzes the recorded visitors. In doing so, the system classifies the age and gender of individuals. The evaluation of this data enables precise target group control. No personal data is stored or images are transmitted. The sensor only provides the evaluated statistical data. From this, no direct conclusions can be drawn about individual persons.

This information is transmitted via a simple HTTP Push API. This enables seamless integration of the analyzed data into smart building applications, including marketing management, behavioral analysis, and improving customer satisfaction.

This system does not generate biometric templates for the unique identification of individuals, but only recognizes physical characteristics in order to classify the person. Thus, the processing according to the Guidelines 03/2019 on the processing of personal data by video devices of 29 January 2020 of the European Data Protection Board does not fall under Article 9 GDPR.



## Specifications:

Category	Description
Energy supply	48 Vdc Power-over-Ethernet (IEEE 802.3af)
Electricity consumption	~7-8 W in normal operation (max. ~10W)
Operating temperature	-20 to max. +50°C
Storage	-30 to max. +60°C
Case	Aluminium (painted)/plastic
Dimensions	195 mm length, 85 mm Ø
Weight	0,52 Kg
Certifications	CE/FCC Class A; ROHS; REACH
Objective	3.2-10.5 mm
Field of view	Horizontal 108°-30° / Vertical 56°-17° / Diagonal 130°-34°
Night vision	Built-in IR illumination

### Interfaces

Ethernet	100/1000BaseT, PoE, RJ45
Software	HTTP(S) JSON, TLS, (MQTT on request)

## Properties:

### Data sent:

Timestamp, Gender (m/f) and Age (JSON)

### Privacy by Design:

No clear image, no possibility of surveillance

## Installation instructions:

Category	Description
Minimum brightness	100 lux
Mounting height	2.5 to 5 mm, depends on distance to camera and angle
Optimal distance of the person to the camera (horizontal)	Between 1.0 and 7 m, depends on zoom settings and mounting height
Camera Orientation	If possible, against the direction of movement of the people
Direction of view of the people	Max. rotation of faces for optimal results: Horizontal/vertical +/- 15° each.

