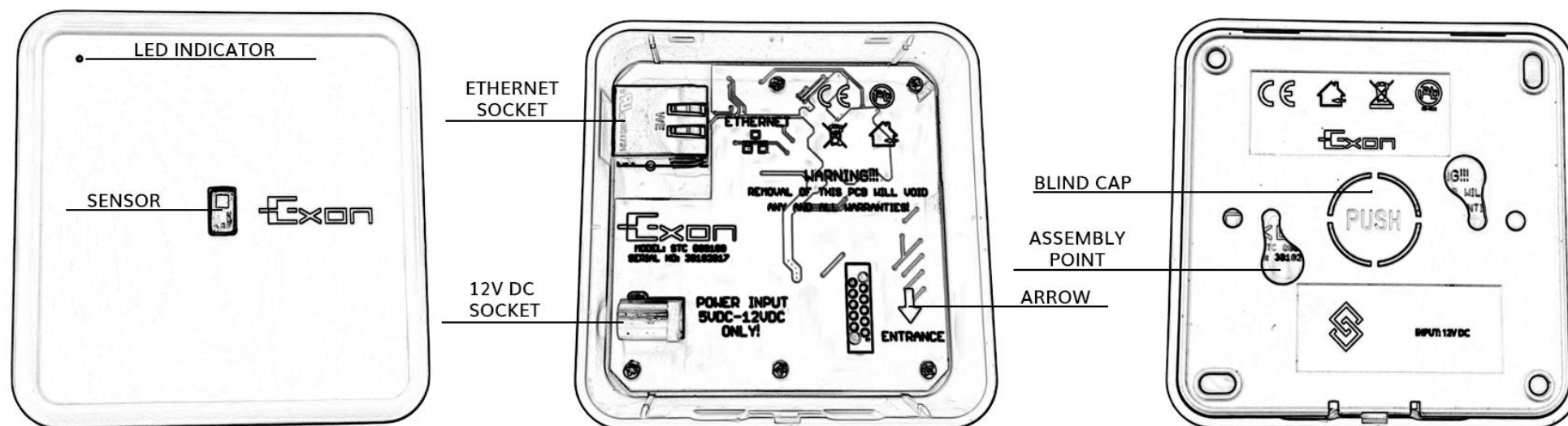




## Electronic people counting system Synati thermal camera ETH (Ethernet)

Graphic description of the device:





### **Safety**

Before use read the following instructions carefully. Failure to observe these instructions may result in injuries and damage to the device. This manual should be stored with care. In order to avoid unnecessary errors and accidents make sure that everyone using the device gets acquainted with its operation and safety functions. Please keep the manual and make sure that it is kept with the device in case it is moved or sold so that every user throughout its use period has appropriate information about the device's operation and safety. The device installation should be performed by qualified personnel. In order to keep life and property safety observe the safety rules specified in the user manual, as the manufacturer is not responsible for any damages caused due to negligence or misuse.

### **Description of the device**

A thermal imaging camera is a modern device used for directional counting of people, analyzing queues and creating thermal maps of premises. Depending on the software, the camera can perform various calculations and provide the customer with results. The camera communicates with the manufacturer's server via a standard Ethernet connection using an RJ45 plug. The purpose of the camera is determined individually when purchasing from the manufacturer or distributor. The measurements results are available on the "Synati" platform, to which you can log in directly from the manufacturer's website ([www.myexon.pl](http://www.myexon.pl)) always on the next day in which the camera was working and calculations were carried out.

### **Main features**

- it does not register faces of potential clients, therefore it is not subject to any laws on the protection of personal data
- works in thermal imaging technology, and not in video technology
- efficiency of up to 97%
- detection of moving persons only
- no false counts caused by, for example, opening doors or shopping trolleys
- completely resistant to changing lighting conditions
- from a height of 6 m, it covers an area of 25 m<sup>2</sup>

### **Technical data**

- power supply: 12V DC
- network communication: Ethernet
- Internet protocol: TCP / IP
- data encryption: SSL (AES 256)
- authorization: CA certificate
- minimum assembly height: 3m
- detection range: up to 7 meters
- dimensions: length 85mm / width 85mm / thickness 24mm
- weight: 95 grams



### **LED Indicator**

Specifies the operating status of the device:

- red color -> flashing red means that the device is working properly but is not connected to any Wi-Fi network
- blue color -> flashing blue means that the device has been properly configured and has access to the Wi-Fi network, but does not have access to the manufacturer's server. The cause may be very slow connection speed or no Internet access
- green color - flashing green means the device is working properly (it has access to the Internet and the manufacturer's server)
- white color - flashing white indicates the device has been damaged

**Sensor** – a monitoring element that detects the temperature difference between the environment and the person in the camera detection field. Attention! Do not cover the sensor, even with transparent materials

**Ethernet socket** - socket for connecting to the Internet through a standard cable and an RJ45 plug

**DC +12V socket** - socket for connecting the camera's power supply, the rated voltage is + 12V DC

**Arrow** - indicates the direction of the camera's position relative to the entrance

**Blind cap** – element that allows for carrying the power cord and the installation of the device on the ceiling. To use the possibility of carrying the cord, gently break off the end cap

**Assembly point** – holes in the back of the device, allowing for mounting on the ceiling.

### **Startup**

- take all the elements out of the box
- verify the operating status of the device indicated by the color of the LED
- mount the device in accordance with the instructions
- go to the web panel to set verification of count results

### **Attention**

The device reacts to temperature changes in the detection field. The camera should not be placed directly at the sources of hot or cold air, such as air conditioning. If the entry to the premises is directly from outside, the camera should be placed at a suitable distance from the door. Failure to comply with the recommendations may result in incorrect operation of the device. The camera is fully resistant to changing lighting conditions and does not record in any way the faces of people in the device's detection field.

### **Troubleshooting**

The camera has been incorrectly installed or does not have access to the Internet. It is necessary to make sure that the device has a correctly configured access to the Internet network by means of the LED color (as described above.) Also make sure that the device has not been installed at a height exceeding 7m.



### **Warning**

The device electrical voltage. Before doing any activities connected with power supply(Wiring, installation of equipment etc.) make sure that the device is not connected to the electricity network. You must not to take apart the device. The device should only be used indoors. Protect the device from moisture, sunlight and temperature changes. Atmospheric discharges may damage the counter, so during thunderstorms it should be disconnected from power by unplugging the power cable. Do not misuse the counter. Use only accessories supplied with the device. The manufacturer is not responsible for damages resulting from inappropriate installation of the accessories

### **Note**

The crossed waste bin symbol on the product means that it cannot be thrown normal waste bins. By segregating the waste for recycling we help to preserve the natural environment. The user is obliged to hand over the used up devices to a waste collection point for recycling of waste coming from electric and electronic devices.

