



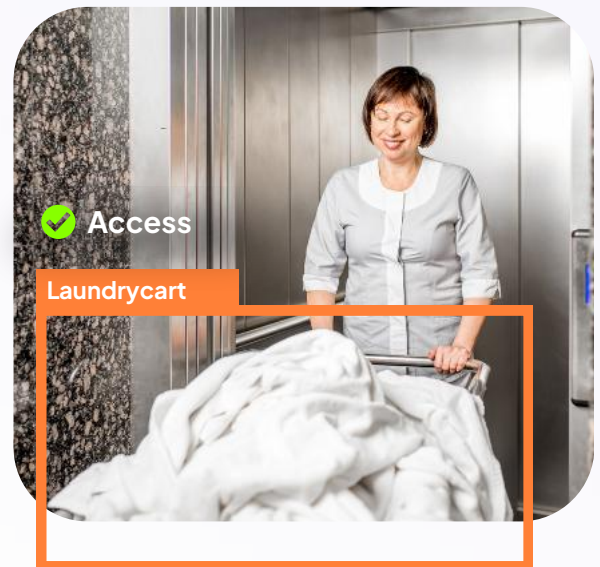
Wire Mesh
Warehouse Cage



Intelligent
access control
for elevators

Briefly explained.

The ELFINVISION Doorman enables intelligent access control for elevators. Using sensors and AI-supported technology, specific objects such as wire mesh warehouse cages can be reliably detected and blocked from using the elevator. Based on this detection, authorized objects, such as laundry or cleaning carts, can be automatically recognized and granted access. This not only optimizes operational processes but also helps prevent misuse or unintended use of elevators. As a result, the solution helps avoid damage to the elevator interior and contributes to long-term operational safety.



Benefits.

Automatic calls & access authorization

The sensors and AI-supported processing send the corresponding signals to the elevator control system.

Increased safety

through risk prevention and rapid, automated responses to unauthorized use and dangerous situations.

Improved user experience & operational efficiency

through smooth, intelligent workflows and context-based control and prioritization.



GDPR-compliant



Autonomous system without cloud connection



Open interface to control & monitoring systems



For every elevator — new builds and modernizations alike



Technical data.

Sensors.



Sensor for Surface mounting

Art.no.: cel-XMP-ETH-DOME

- Viewing angle: 170°
- Power supply: PoE or 12V power supply unit
- Dimensions: 120 x 120 x 100 mm
- Range: up to 10 m

Accessories:

- 12V power supply unit (snt-120-050A)
- 2 m Ethernet cable (net-LAN-2m)

or



Sensor for Wall & ceiling recessed mounting

Art.no.: cel-XMP-USB-FEB

- Viewing angle: 160°
- Power supply: via processing unit
- Dimensions: 90 x 90 x 50 mm
- Connection cable: 2 m fixed cable (directly to the sensor)
- Range: up to 5m

Technical data. Processing unit.

flexyPage®

Or



Boxed V4

Art.no.: fel4A-01A-CV

- Power supply: 24 VDC
- Dimensions: 190 x 88 x 20 mm
- Interfaces: 4 inputs and CAN

Accessories:

- 24V power supply unit (snt-240-050A)
- I/O node with 16 inputs and outputs (cio-cn16-set2m)



flexyPage displays

- Power supply: 12-24 VDC
- Dimensions: 7 - 46 inch
- Interfaces: 4 inputs and CAN

Accessories:

- 24V power supply unit (snt-240-050A)
- I/O node with 16 inputs and outputs (cio-cn16-set2m)



4

Doors closed



No access

Benefits of a flexyPage display
compared to invisible Boxed V4



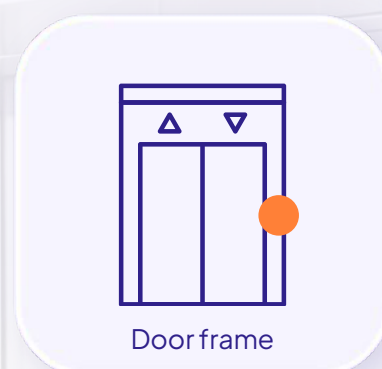
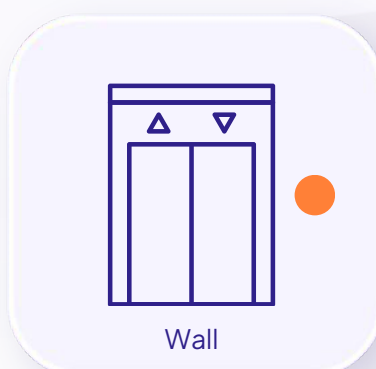
Can be integrated into existing elevator equipment, for example as a floor display or to show information messages such as "No access".

On-site commissioning.

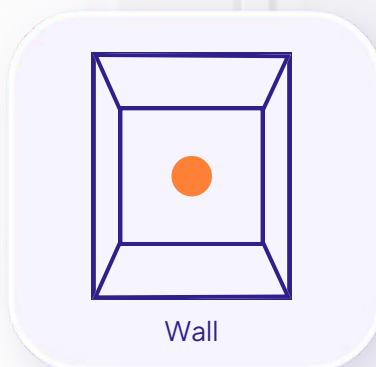
Sensor installation

The sensors can be installed in the ceiling, wall or door frame, depending on the model. The right sensor for your project depends on the available installation options.

On the floors



In the elevator car



-  Surface mounting
-  Wall & ceiling recessed mounting

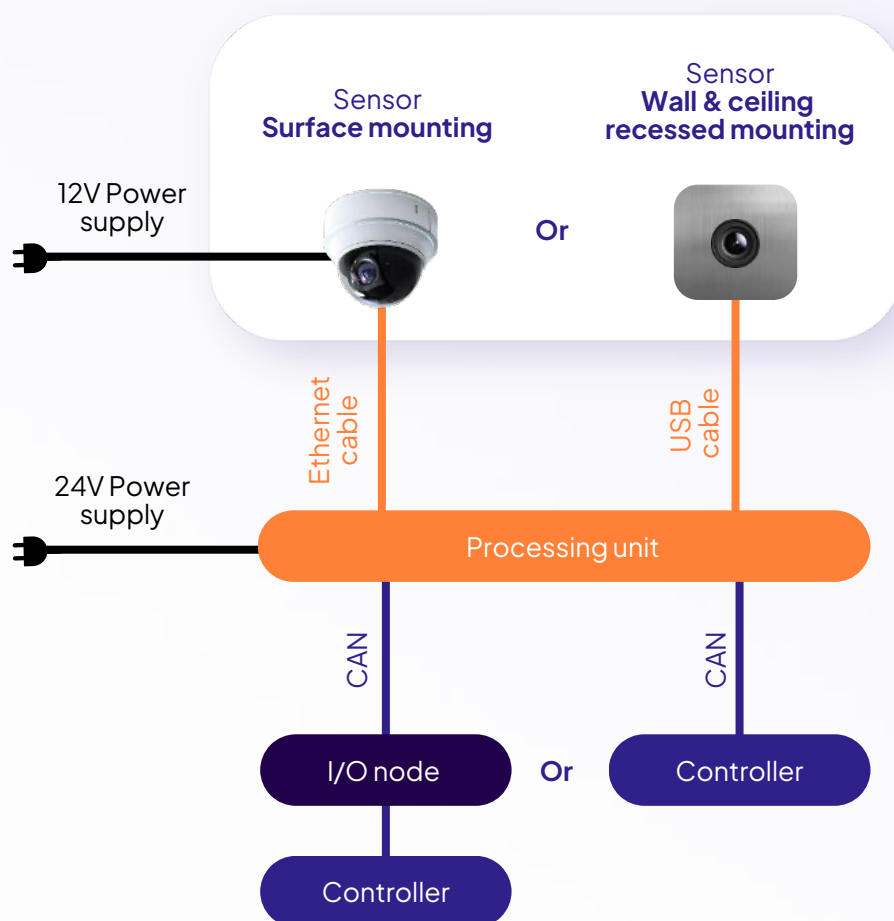


When positioning the sensors, please ensure that:

- there are no blind spots
- no direct light falls into the sensor
- the relevant area is fully visible

On-site commissioning.

Wiring



CANopen

Special function code 0E _h	Function
11 _h	Hold door closed

I/O node

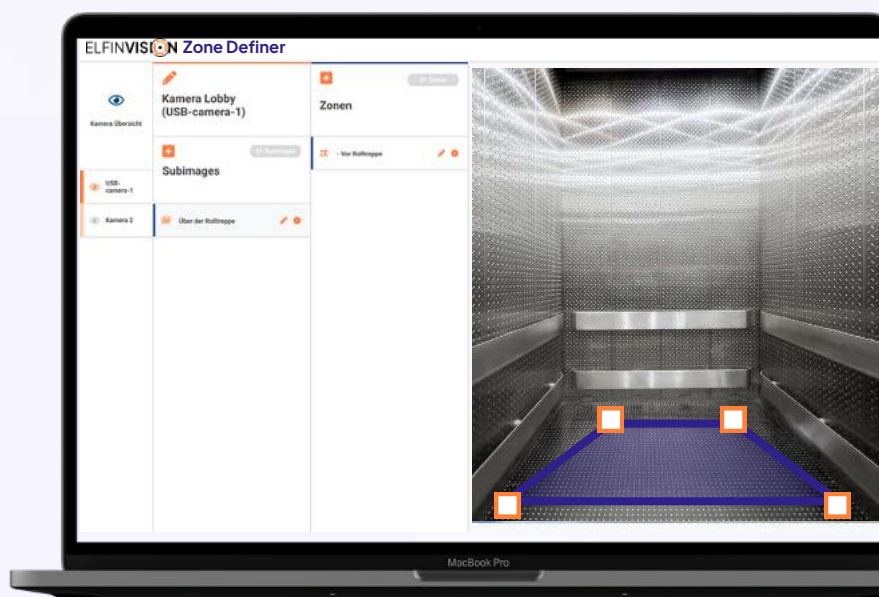
Output	Function
1	Object detected
2	System active (Sensor ready for operation)

On-site commissioning.

Zone Definer

The Zone Definer allows you to manage all connected sensors and configure them for object detection.

It supports both surface mounting sensors and wall & ceiling recessed mounting sensors, enabling flexible monitoring and image processing.



Sensor detection and configuration

- **Surface mounting sensor:** Are automatically detected and can be configured directly via the web interface.
- **Wall & ceiling recessed mounting sensor:** Must be added manually by entering a stream URL.

Sensor settings:

The following parameters can be configured for each sensor:

- **Fisheye view cropping:** Focuses on the relevant circular image area.
- **Distortion correction parameters:** Corrects lens distortion.
- **Sensor name:** Allows each sensor to be assigned a descriptive name.

Zones

With the Zone Definer, individual areas within the image can be defined using polygon selection. These zones determine where objects should be detected.

Areas that should be ignored during detection can also be defined. This configuration is set individually for each sensor, allowing location-specific and customized setup.

This makes it possible to take the specific conditions at each sensor location into account and adjust the detection settings accordingly.



Order details.

To operate the ELFINVISION Doorman, a selection of the products listed below is required.

When placing your order, please specify the desired quantity as well as the corresponding article numbers of the components you require or that have been recommended by us.

Sensors

Article numbers sensors

- **Sensor surface mounting**

Accessories

- **12V power supply unit**
- **2m ethernet cable**

- cel-XMP-ETH-DOME

- snt-120-050A
- net-LAN-2mI

Or

- **Sensor wall & ceiling recessed mounting**

- cel-XMP-USB-FEB

Processing unit

Article numbers processing unit

- **Boxed V4 processing unit**

Accessories

- **24V power supply unit**
- **I/O node with 16 in- & outputs**
(optional)

- fel4A-01A-CV

- snt-240-050A
- cio-cn16-set2m

Or

- **flexyPage display**

Accessories

- **24V power supply unit**
- **I/O node with 16 in- & outputs**
(optional)

- snt-240-050A
- cio-cn16-set2m

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Visit flexyPage.de/displays to discover the various display sizes.



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