Access Control
Intenta 3D-Vision Sensors

Use Case

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Access Control

Intenta S2000
Intenta S2100 security

Thanks to cutting-edge stereovision technology, this reliable addition to your access-control system offers the highest level of protection against unauthorised access to the most varied of security areas.

Increased security
for your access system

Automatic access-control systems are available in many variants based on various technologies – by biometric processes, PIN request or authentication using RFID cards, for example.

However, if you want to prevent several people from gaining access with one and the same ID (by quickly running after someone or piggy-backing, for example), additional parameters must be monitored. This also applies when using **two-person control**, in which case not only must both people be identified within the specified time period, but the actual presence of both must also be detected.

The **Intenta S2000/S2100** offers a reliable solution to this problem in that it detects the **number of people in the access area**. As a result of the **integrated detection of people and objects**, security can therefore also be increased. Any instances of access that exceed the number of IDs presented are detected by a sensor and sent to a downstream alarm-generating device or to security staff. As an option, an image (JPEG) of the scene or an HD video stream can be provided in order to verify the security breach.

Benefits

– Supplements identification systems for access control

– Increase in the security of existing access-control systems

– Presence analysis in the case of two-person control

– Reliable detection of people and objects

– Instant detection and reporting of access violations – such as people quickly following someone in, people entering accompanied by unauthorised persons etc.

– Tamper-proof security housing (Intenta S2100 security)

Key Features

- Real-time analysis
- Integrated image processing
- Universal optical 3D object recognition
- People detection (even for partially concealed persons) and behavioural analysis
- GPIO interface for connection to your access-control system
- Reporting of access events at configurable time intervals (via FTP or HTTP)
- HD video streaming (optional)
- Maximum detection rate
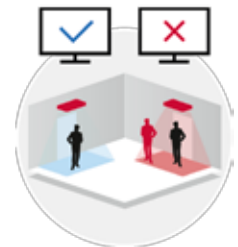
System Installation

- **Ceiling and angled wall installation possible**
- **Installation height:** up to 7m – higher on request
- **Surveillance range:** typically 6m × 6m – depending on the lenses installed and the method and height of installation
- **Configuration as a door-control system or a security airlock**
- **Connection to alarm-generating hardware:** speakers with warning tones, signal lamps, etc.
- **Connection to an electronic door-control system:** time-limited access (door closes after a specified time) or detection-based access (closing mechanism is activated immediately after the detection of successful access and thus prevents access being granted to the next person in line)
- **Security housing (Intenta S2100):** ensures tamper-proof installation and protects the equipment from damages as well as unauthorized modifications

System Configuration

The Intenta S2000 is configured via a web interface (using all common web browsers). Just a network connection between the smart sensor and PC or server is required. The virtual security area and all security parameters are defined via the configuration page.

Overview of functions

People counting	Detection of the number of authorised persons in the surveillance area; in the event that the specified number is exceeded an alert is issued and access is prevented.
Physical size detection	Configuration of the min./max. size of persons authorised for access; if the values fall short of or exceed the parameters, this indicates an attempted manipulation and access can be refused.
Dwell-time measurement	Setting of the max. duration of stay in the access area; if persons or objects are detected exceeding this time, the sensor immediately alerts the connected systems or a control centre.
Position	Definition of coverage areas; access can be prevented if people are not standing within the coverage area during access identification.
Posture/pose	Unusual postures that indicate tampering are detected and access can be automatically denied.
Automatic reporting and event detection	The sensor immediately issues notification of violations of the established parameters. The notification is forwarded to the signal-generating components (lights, acoustic signalling devices) via a GPIO interface or directly to the door-control system.