

GridScan/LR

Technical data

Optical

| | | |
|--|---------------------|------------|
| Operating range: | Outdoor application | 5 ... 50 m |
| | Indoor application | 5 ... 80 m |
| Protection height | Up to 2.6 m | |
| Number of elements | 4 ... 52 | |
| Min. object detection size | 86 mm | |
| Max. angle of paraxial detection (Rx and Tx at 38 ... 80 m) | ±5° | |
| Max. ambient light | 100,000 Lux | |

Mechanical

| | | |
|------------------------|--|------|
| Dimensions (w × h × l) | 50 × 56.5 × max. 2,636 mm | |
| Housing material | Aluminum, natural anodized Polycarbonate (PC) | |
| Enclosure rating: | System | IP65 |
| | Housing | IP67 |
| Temperature range | -40 °C ... +60 °C | |

Electrical

| | | |
|---|---------------|--|
| Power supply Usp | 10 ... 30 VDC | |
| Max. current consumption at 24 VDC | 100 mA | |
| Output type | OSSD (PNP) | |
| Max. output load | 80 mA, 100 nF | |
| Max. response time OSSD at 20 elements | 50 ms | |

General

| | | |
|-----------------|-----------------------------|--|
| Eye safety | EN 62471:2008 | |
| EMC emission | EN 61000-6-3:2007 | |
| EMC immunity | EN 61000-6-2:2005 | |
| Vibration | IEC 60068-2-6:2007 | |
| Shock | IEC 60068-2-27:2008 | |
| Safety category | EN 13849-1:2008 Cat. 2 PL D | |
| | EN 61508:2010 SIL CL 2 | |
| RoHS | 2011/65/EU | |
| Certificates | TÜV, CE | |

Connection cable and electrical connection

| | |
|-------------------------|---------------------|
| Connection cable | |
| Length | 5 m |
| Diameter | Ø 5.7 mm |
| Material | PVC, black |
| Connector | Mini-DIN, 8-pin |
| Wires | AWG26 |
| • blue | GND (0 V) |
| • gray | Outdoor application |
| • green | Not used |
| • white | Test input |
| • black | Output |
| • pink | Not used |
| • brown | Usp |
| • yellow | Not used |

Synchronization cable (Standard)

| | |
|------------|------------|
| Length | 30 m |
| Diameter | Ø 3.5 mm |
| Material | PVC, black |
| Connection | M8, 4-pin |
| Wires | AWG26 |
| • brown | Usp |
| • black | Data |
| • blue | GND (0 V) |
| • white | Clock |



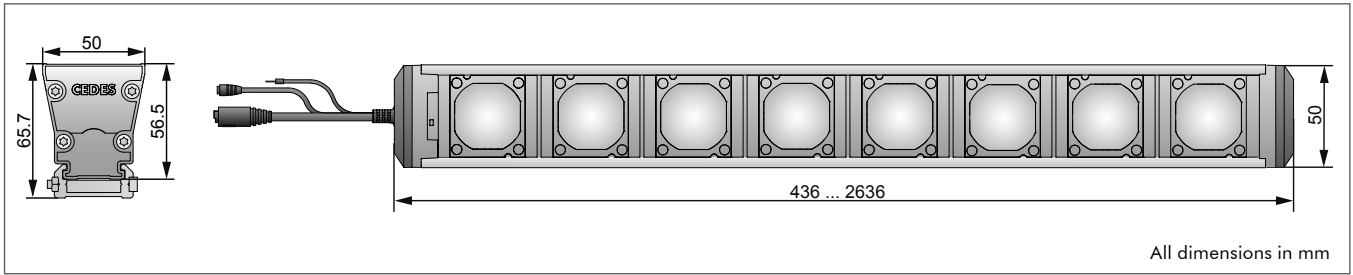
CEDES AG is certified according to ISO 9001: 2008

Features

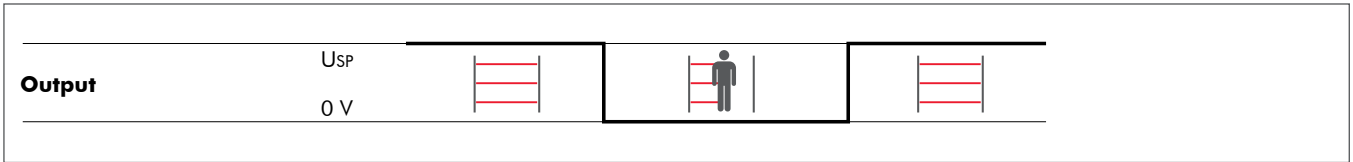
- Range of up to 80 m (indoor)
- Range of up to 50 m (outdoors)
- Up to 2.6 m in protection height
- SIL2 rated
- Multi-scan feature ensures reliable operation in harsh weather
- IP67 housing
- Optional RS485 data interface for single beam information
- Elements run entire length of edge



Dimensions



Output logic



Applications

Platform screen doors

GridScan/LR also safeguards rail and metro platforms up to 80 m.

Industrial gates

GridScan/LR safeguards even the largest industrial gates up to 80 m wide.

Sliding gates

GridScan/LR is rated IP67 and therefore ideal for sliding gates.