

GridScan/LR

Technical data

FEATURES

- ▶ Range of up to 80 m (indoor)
- ▶ Range of up to 50 m (outdoors)
- ▶ Up to 2.6 m in protection height
- ▶ Multi-scan feature ensures reliable operation in harsh weather
- ▶ Elements run entire length of edge



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

Supply voltage U_{sp}	10 ... 30 VDC	
Current consumption at 24 VDC	100 mA	
Output	Semiconductor (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
RoHS	2011/65/EU
Certificate	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	U_{sp}
• yellow	Not used

Synchronization cable (Standard)

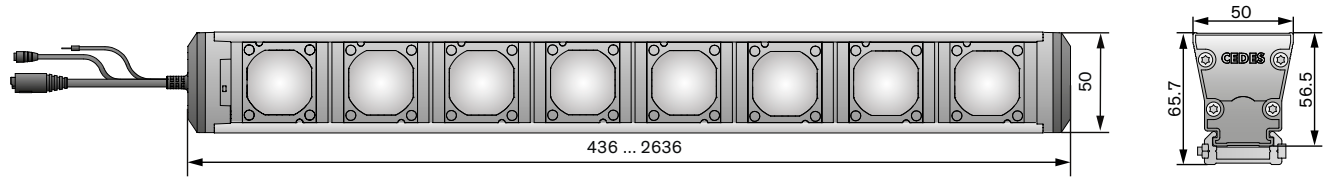
Length	5 m
Diameter	Ø 3.5 mm
Material	PVC, black
Connection	M8, 4-pin
Wires	AWG26
• brown	U_{sp}
• black	Data
• blue	GND (0 V)
• white	Clock



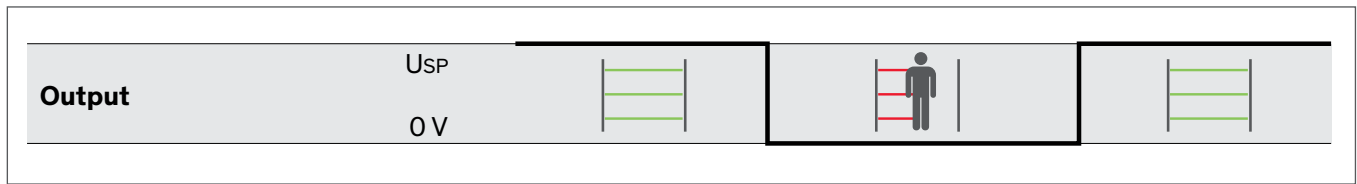
CEDES AG is certified according to ISO 9001:2015.

Dimensions

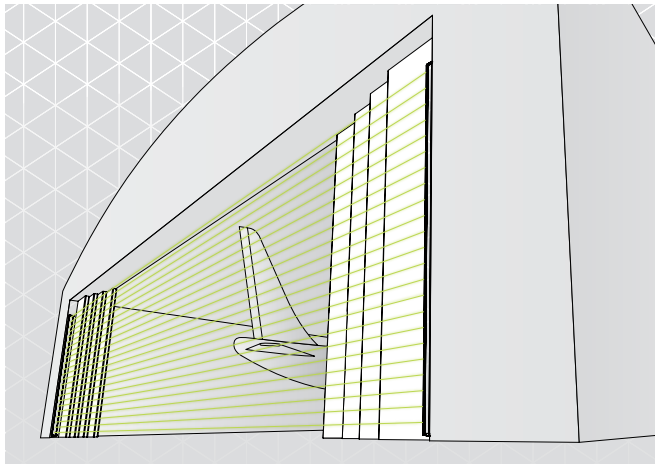
All dimensions in mm
Proportions not to scale



Output logic

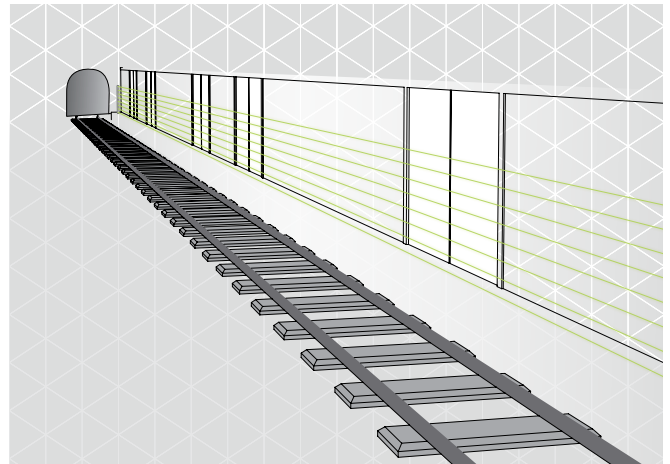


Applications



Industrial gates

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



Platform screen doors

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