Core Features
- High scanning speed
- Range up to 35m/60m
- Spot size as small as 1.0 mrad
- Responsive time as fast as 10ms
- Build-in Ethernet
- Ideal for low-visibility environment
- Low power consumption
- Easy maintenance
- Comprehensive range of accessories
- Flexible and powerful configuration software

Description

PLS200 is a 2D laser scanner designed for outdoor intrusion detection. It brings a whole range of pioneering features and benefits to scores of applications where speed, accuracy, security and availability are paramount.

Spanning over more than 7000m² (200° angular, 60m range) the PLS200 rapidly scans the scene to detect any intrusion attempt within the arbitrary defined area of interest.

PLS200 is allowed to be horizontal and vertical installed, and it can be set the surface detection area or vertical detection area according the site needs.

The PLS200 is specially designed for outdoor use. Its new, high-speed sampling 5-echo technology provides five measurements for each emitted pulse with the reflectivity value for each distance value. PLS200 looks right through rain, fog, snow and dust. It is even possible to measure changing weather conditions in front of the object of interest.

Applications
- Perimeter Protection and large facade surveillance
- Concealed virtual fence
- Roof protection at prisons, banks, art galleries and any high security building

Benefits
- Large scanning range and area coverage (120m diameter)
- Selective field evaluation for more accuracy
- Higher measurement speed for reduced false alarm rates
- Synchronization of units for large area coverage
- Greatly improved weather immunity due to 5-echo technology
- Compact size for easy and flexible mounting and low installation costs
- Low-noise operation for indoor applications
Technical Specifications

- **Light source:** Infrared (905nm)
- **Laser class:** 1, eye safe (IEC60825-1 (2007-6))
- **Field of view:** 200°
- **Beam Inclination Angle:** 0° ± 0.3°
- **Number of Tracked Object:** 16 simultaneously
- **Scanning frequency:** 2Hz/4Hz/6Hz/8Hz/12Hz
- **Heating:** Yes
- **Range:** 0m ~ 35/60m (PLS200-35/60)
- **Low Reflective Object Detection Range:** Max. 25m/50m
- **Spot size:**
  - 1.0 mrad @ 2 scan/sec
  - 2.0 mrad @ 4 scan/sec
  - 3.0 mrad @ 6 scan/sec
  - 4.0 mrad @ 8 scan/sec
  - 6.0 mrad @ 12 scan/sec
- **Mounting Height:** 0-8m
- **Systematic error:** Less than ±50 mm
- **Operating voltage:** 12V DC ±10%
- **Power consumption:** 8W + 20W heating
- **Enclosure rating:** IP67 (EN 60529)
- **Weight:** 1.85kg
- **Housing color:** Dark Gray

- **Dimensions:** 200mm×120mm×110mm
- **Temperature:** -30°C~50°C
- **Installation:** Vertical / Horizontal

Possibility additional tracking PTZ Dome camera / spotlight: Yes

**Interfaces**

- **Serial (RS-232, RS-422/485)**
  - Data rate: 9.6kB ~ 115.2kB

**Scanning range in m**

- **Red:** Scanning range max. 60 m
- **Pink:** Scanning range for objects up to 10% remission 50 m

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