



| General Description |   |
|---------------------|---|
| Technology          | 3D stereo vision / Edge computing with artificial intelligence (AI) / Device Monitoring                               |
| Environment         | Indoor  |
| Data storage        | up to 3 years (depending on the number of counters)   |
| Data privacy        | 4 privacy modes / data is only transmitted in text format and without any kind of personally identifiable information |
| Integration         | API with Swagger documentation, data pushes, remote device management tool, count verification tool on-device         |

| Electrical Characteristics |   |
|----------------------------|---|
| Power supply               | Power over Ethernet, Class 0 (IEEE 802.3af, nominal 48 V) |
| Power consumption          | Maximum 6.0 W, 0.125 A                                    |

| Environmental Conditions |   |
|--------------------------|---|
| Required illumination    | Minimum 2 lux   |
| Operating temperature    | 0 °C to +45 °C / +32 °F to +113 °F  |
| Storage temperature      | Long-term storage (max. 6 months): +5 °C to +35 °C / +41 °F to +95 °F<br>transport (< 1 month): -20 °C to +70 °C / -4 °F to +158 °F |
| Relative humidity        | 20 to 80 % (non-condensing)   |
| Pollution degree         | PD2 (acc. to IEC 62368)   |
| Ingress protection       | IP40 (acc. to IEC 60529)  |
| Shelf life               | 6 months  |

# PC2RE Technical Datasheet

## Physical Interfaces

|                                    |   |
|------------------------------------|---|
| Ethernet                           | IEEE 802.3ab 1000Base-T (Gigabit Ethernet)  |
| Connector                          | RJ 45   |
| Cable                              | Up to 100 m / 328 ft, min. Cat-5e (shielded) or higher                              |
| PoE power source                   | Use Power supplies compliant with all locally applicable safety standards           |
| WiFi & Low Power Device Monitoring | Dual Band (2.4 + 5 GHz), IEEE 802.11b/g/n/a/ac Wave 2 & Low Power Device Monitoring |

## Network Interfaces

|                     |   |
|---------------------|---|
| Supported protocols | IPv6, IPv4, DHCP, HTTPS and password-protected configuration access |
| Data push protocols | HTTP(S), FTP(S), SFTP, MQTT(S), TCP, UDP                            |

## Mechanical Characteristics

|                        |   |
|------------------------|---|
| Weight (incl. Cover)   | 305 g / 0.67 lb   |
| Weight (without Cover) | 255 g / 0.56 lb   |
| Dimensions (L x W x H) | Without plastic cover:<br>12.76 x 8.89 x 3.16 cm / 5.02 x 3.50 x 1.24 in<br>With plastic cover:<br>13.02 x 9.32 x 3.28 cm / 5.13 x 3.67 x 1.29 in |

## Installation / Mounting

|                       |  |
|-----------------------|--|
| Mounting options      | Different mounting options available. Find more information in our accessory brochure.   |
| Mounting height       | <b>PC2RE / PC2RE-L:</b><br>2.20 m to 6.00 m / 7.22 ft to 19.69 ft<br><b>PC2RE-UL:</b><br>2.20 m to 3.50m / 7.22 ft to 11.48 ft<br><br>Find more information in our selection guide to get an overview of the coverage. |
| Mounting angle (tilt) | +/-15° in x-axis<br>+/- 5° in y-axis   |
| Grounding             | Sensor grounding is optional. The use of shielded cables is recommended.   |

## Standards, approval, certificates

|             |  |
|-------------|--|
| Safety      | IEC 62368-1<br>EN 62368-1  |
| EMC & Radio | CISPR 32 / EN 55032<br>CISPR 35 / EN 55035<br>EN 300 328<br>EN 301 489-1 / EN 301 489-17<br>EN 300 893<br>FCC 47 CFR part 15 Edition |
| Privacy     | ePrivacy seal, 4 privacy levels for GDPR-compliant operation   |
| Others      | 2011/65/EU (RoHS)  |

# PC2RE Technical Datasheet

| MTBF Results   |                    |                 |
|----------------|--------------------|-----------------|
| Temperature °C | Failure Rate [FIT] | MTBF [h/years]  |
| 40             | 1656.1             | 603'835 / 68.93 |
| 55             | 2867.3             | 348'765 / 39.81 |
| 60             | 3455.2             | 289'421 / 33.04 |
| 65             | 4169.2             | 239'853 / 27.83 |

MTBF Calculation based on IEC 61709:2017 (SN 29500:2014) for stationary use at weather protected locations (E1) for mean component ambient temperatures.

| Models and ordering information |  |
|---------------------------------|--|
| Available models                | Features / Benefits  |
| PC2RE (basic model)             | 2.20 m to 6.00 m / 7.22 ft to 19.69 ft   |
| PC2RE-UL                        | 2.20 m to 3.50 m / 7.22 ft to 11.48 ft<br>Optimized for low mounting heights   |
| PC2RE-L                         | 2.20 m to 6.00 m / 7.22 ft to 19.69 ft<br>Optimized for mounting heights close to 6m/19.69ft                                       |
| Color                           | Sensor: Black (RAL 9005)<br>Plastic cover: white (RAL9003) or black (RAL9005)<br>Note: plastic cover is suitable for being painted |

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