



| General Description |   |
|---------------------|---|
| Technology          | 3D stereo vision / Edge computing with artificial intelligence (AI)   |
| 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 48V) |
| Power consumption          | Maximum 6.0 W, 0.125A                                    |

| 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):<br>+5 °C to +35 °C / +41 °F to +95 °F<br>transport (< 1 month):<br>-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  |

# PC3SE 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 |

| Installation / Mounting |   |
|-------------------------|---|
| Mounting options        | Different mounting options available. Find more information in our accessory brochure.  |
| Mounting height         | PC3SE:<br>6.00 m to 14.00 m / 19.69 ft to 45.93 ft<br>PC3SE-L:<br>6.00 m to 9.00 m / 19.69 ft to 29.53 ft<br>PC3SE-M1:<br>9.00 m to 12.00 m / 29.53 ft to 39.37 ft<br>PC3SE-M2:<br>11.00 m to 14.00 m / 36.09 ft to 45.93 ft<br>PC3SE-H:<br>14.00 m to 16.00 m / 45.93 ft to 52.49 ft<br>PC3SE-UH:<br>16.00 m to 20.00 m / 52.49 ft to 65.62 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.  |

| 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. mounting plate) | 685 g / 1.51 lb                                 |
| Dimensions (L x W x H)        | 34.42 x 6.56 x 3.61 cm / 13.55 x 2.58 x 1.42 in |

| Standards, approval, certificates |   |
|-----------------------------------|---|
| Safety                            | IEC 62368-1<br>EN 62368-1   |
| EMC                               | IEC 61326-1<br>EN 61326-1<br>CISPR 11 / EN 55011<br>CISPR 32 / EN 55032<br>CISPR 35 / EN 55035<br>FCC 47 CFR part 15 Edition<br>ICES-001, Issue 5 |
| Others                            | 2011/65/EU (RoHS)   |

# PC3SE Technical Datasheet

| MTBF Results   |                    |                 |
|----------------|--------------------|-----------------|
| Temperature °C | Failure rate [FIT] | MTBF [h/years]  |
| 40             | 1562.2             | 640'128 / 73.07 |
| 55             | 2725.4             | 366'922 / 41.89 |
| 60             | 3292.7             | 303'700 / 34.67 |
| 65             | 3984.0             | 251'001 / 28.65 |

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   |
| PC3SE (basic model)             | 6.00 m to 14.00 m / 19.69 ft to 45.93 ft  |
| PC3SE-L                         | 6.00 m to 9.00 m / 19.69 ft to 29.53 ft<br>Optimized for low mounting heights     |
| PC3SE-M1                        | 9.00 m to 12.00 m / 29.53 ft to 39.37 ft<br>Optimized for low to medium heights   |
| PC3SE-M2                        | 11.00 m to 14.00 m / 36.09 ft to 45.93 ft<br>Optimized for medium heights         |
| PC3SE-H                         | 14.00 m to 16.00 m / 45.93 ft to 52.49 ft<br>Optimized for medium to high heights |
| PC3SE-UH                        | 16.00 m to 20.00 m / 52.49 ft to 65.62 ft<br>Optimized for high heights           |
| Color                           | White (RAL9003)<br>Note: suitable for being painted                               |

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