



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 48 V)
Power consumption	Maximum 7.5 W, 0.156 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 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

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	<p>PC3SE: 6.00 m to 14.00 m / 19.69 ft to 45.93 ft</p> <p>PC3SE-L: 6.00 m to 9.00 m / 19.69 ft to 29.53 ft</p> <p>PC3SE-M1: 9.00 m to 12.00 m / 29.53 ft to 39.37 ft</p> <p>PC3SE-M2: 11.00 m to 14.00 m / 36.09 ft to 45.93 ft</p> <p>PC3SE-H: 14.00 m to 16.00 m / 45.93 ft to 52.49 ft</p> <p>PC3SE-UH: 16.00 m to 20.00 m / 52.49 ft to 65.62 ft</p> <p>Find more information in our selection guide to get an overview of the coverage.</p>
Mounting angle (tilt)	+/-15° in x-axis +/- 5° in y-axis
Grounding	Sensor grounding is optional. The use of shielded cables is recommended.

Network Interfaces	
Supported protocols	IPv6, IPv4, DHCP, HTTPS, IEEE 802.1x 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 EN 62368-1
EMC	IEC 61326-1 EN 61326-1 CISPR 11 / EN 55011 CISPR 32 / EN 55032 CISPR 35 / EN 55035 FCC 47 CFR part 15 Edition ICES-001, Issue 5
Others	2011/65/EU (RoHS)

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

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