



General Description

Technology	3D stereo vision / Edge computing with artificial intelligence (AI)
Environment	Outdoor
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	-33 °C to +40 °C / -27 °F to +104 °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	0 to 95 % (non-condensing)
Pollution degree	PD4 (acc. to IEC 62368)
Ingress protection	IP65 (acc. to IEC 60529)
Shelf life	6 months

PC3SE-0 Technical Datasheet

Physical Interfaces	
Ethernet	IEEE 802.3ab 1000Base-T (Gigabit Ethernet)
Connector	RJ 45 (water protection caps included)
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-0 6.00 m to 14.00 m / 19.69 ft to 45.93 ft</p> <p>PC3SE-L-0 6.00 m to 9.00 m / 19.69 ft to 29.53 ft</p> <p>PC3SE-M1-0 9.00 m to 12.00 m / 29.53 ft to 39.37 ft</p> <p>PC3SE-M2-0 11.00 m to 14.00 m / 36.09 ft to 45.93 ft</p> <p>PC3SE-H-0 14.00 m to 16.00 m / 45.93 ft to 52.49 ft</p> <p>PC3SE-UH-0 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 and password-protected configuration access
Data push protocols	HTTP(S), FTP(S), SFTP, MQTT(S), TCP, UDP

Mechanical Characteristics	
Weight (incl. mounting plate)	1650 g / 3.64 lb
Dimensions (L x W x H)	38.11 x 8.89 x 8.60 cm / 15.00 x 3.50 x 3.39 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
Privacy	ePrivacy seal, 4 privacy levels for GDPR-compliant operation
Others	2011/65/EU (RoHS)

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MTBF Results		
Temperature °C	Failure rate [FIT]	MTBF [h/years]
40	3124.4	320'064 / 36.54
55	5450.7	183'461 / 20.94
60	6585.4	151'850 / 17.33
65	7968.1	125'501 / 14.33

MTBF Calculation based on IEC 61709:2017 (SN 29500:2014) for stationary use at weather protected or non-weather protected locations (E2) for mean component ambient temperatures.

Models and ordering information	
Available models	Features / Benefits
PC3SE-0 (basic model)	6.00 m to 14.00 m / 19.69 ft to 45.93 ft
PC3SE -L-0	6.00 m to 9.00 m / 19.69 ft to 29.53 ft Optimized for low mounting heights
PC3SE-M1-0	9.00 m to 12.00 m / 29.53 ft to 39.37 ft Optimized for low to medium heights
PC3SE-M2-0	11.00 m to 14.00 m / 36.09 ft to 45.93 ft Optimized for medium heights
PC3SE-H-0	14.00 m to 16.00 m / 45.93 ft to 52.49 ft Optimized for medium to high heights
PC3SE-UH-0	16.00 m to 20.00 m / 52.49 ft to 65.62 ft Optimized for high heights
Color	Grey (RAL9006)

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PC3SE-0 Technical Datasheet

Document Information

Description

Document ID	PC3SE-0 Technical Datasheet
Belonging to product	PC3SE-0

History

Version	Date	Author	Changes
1	06.06.2023	Leonardo Leone	Initial Version

Clearance

Action	Date	Name	Function
Written	07.06.2023	Leonardo Leone	Hardware Engineer
Reviewed	20.06.2023	Michael Enz	Product Owner (PO) Sensor
Released	20.06.2023	Alexandru Corbu	Compliance & Product Man