



General description	
Technology	3D stereo vision / Edge computing with artificial intelligence (AI) / Device Monitoring
Environment	Indoor
Data storage	up to 500 days (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 transport (< 1 month): -20 °C to +70 °C / -4 °F to +158 °F
Overheating protection	Automatically shuts down if internal temperature is higher than +79 °C / +174 °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

# PC2R Technical Datasheet

Physical Interfaces	
Ethernet	IEEE 802.3u 10/100Base-TX (Fast 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/Bluetooth	Device Monitoring (receiver only) 2.4 GHz, IEEE 802.11b/g/n Bluetooth Low Energy (BLE) 4.0

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)	300 g / 0.66 lb
Weight (without Cover)	250 g / 0.55 lb
Dimensions (L x W x H)	Without plastic cover: 12.76 x 8.89 x 3.16 cm / 5.02 x 3.50 x 1.24 in  With plastic cover: 13.02 x 9.32 x 3.28 cm / 5.13 x 3.67 x 1.29 in

Network Interfaces	
Mounting options	Different mounting options available. Find more information in our accessory brochure.
Mounting height	<b>PC2R / PC2R-L:</b> 2.20 m to 6.00 m / 7.22 ft to 19.69 ft <b>PC2R-UL:</b> 2.20 m to 3.50m / 7.22 ft to 11.48 ft  Find more information in our selection guide to get an overview of the coverage.
Mounting angle (tilt)	+/-15° in x-axis +/- 5° in y-axis
Grounding	Sensor grounding is optional. The use of shielded cables is recommended.

Standards, approval, certificates	
Safety	IEC 62368-1 EN 62368-1
EMC	CISPR 24 / EN 55024 / GOST CISPR 24 CISPR 32 / EN 55032 EN 301 489-17 FCC 47 CFR part 15 Edition ICES-003, Issue 5 GOST 30805.22
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	1436.2	696'278 / 79.48
55	2598.7	384'812 / 43.93
60	3188.8	313'594 / 35.80
65	3923.5	254'873 / 29.10

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
PC2R (basic model)	2.20 m to 6.00 m / 7.22 ft to 19.69 ft
PC2R-UL	2.20 m to 3.50 m / 7.22 ft to 11.48 ft Optimized for low mounting heights
PC2R-L	2.20 m to 6.00 m / 7.22 ft to 19.69 ft Optimized for mounting heights close to 6m/19.69ft
Color	Sensor: Black (RAL 9005) Plastic cover: white (RAL9003) or black (RAL9005) Note: plastic cover is suitable for being painted

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