



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 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/Bluetooth	Dual Band (2.4 + 5 GHz), IEEE 802.11b/g/n/a/ac Wave 2 WiFi Bluetooth + BLE v5.0

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)	305 g / 0.67 lb
Weight (without Cover)	255 g / 0.56 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

Installation / Mounting	
Mounting options	Different mounting options available. Find more information in our accessory brochure.
Mounting height	<b>PC2RE / PC2RE-L:</b> 2.20 m to 6.00 m / 7.22 ft to 19.69 ft <b>PC2RE-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 & Radio	CISPR 32 / EN 55032 CISPR 35 / EN 55035 EN 300 328 EN 301 489-1 / EN 301 489-17 EN 300 893 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 Optimized for low mounting heights
PC2RE-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

### Published by

Xovis AG  
 Industriestrasse 1  
 CH-3052 Zollikofen  
 +41 32 342 04 70  
 info@xovis.com  
 www.xovis.com

### Copyright reminder

© 2022 Xovis AG, Switzerland.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of the publisher. Printed and published in Switzerland.

While Xovis AG believes the information included in this publication is correct as of the date of publication, it is subject to change without notice.

All cited trademarks and registered trademarks are the property of their respective owners.