



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, 0.125 A

Environmental Conditions

Required illumination	Minimum 9 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

PC2SE-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

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

Installation / Mounting

Mounting options	Different mounting options available. Find more information in our accessory brochure.
Mounting height	<p>PC2SE-0 / PC2SE-L-0: 2.20 m to 6.00 m / 7.22 ft to 19.69 ft</p> <p>PC2SE-UL-0: 2.20 m to 3.50m / 7.22 ft to 11.48 ft</p> <p>Find more information in our selection guide to get an overview of the coverage.</p>
Mounting angle (tilt)	<p>+/- 15° in x-axis</p> <p>+/- 5° in y-axis</p>
Grounding	Sensor grounding is optional. The use of shielded cables is recommended.

Mechanical Characteristics

Weight (incl. mounting plate)	1100 g / 2.43 lb
Dimensions (L x W x H)	15.45. x 10.29 x 8.30 cm / 6.08 x 4.05 x 3.27 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)

PC2SE-0 Technical Datasheet

MTBF Results		
Temperature °C	Failure rate [FIT]	MTBF [h/years]
40	3063.6	326'446 / 37.27
55	5329.4	187'640 / 21.42
60	6431.3	155'489 / 17.75
65	7771.1	128'682 / 14.69

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
PC2SE-0 (basic model)	2.20 m to 6.00 m / 7.22 ft to 19.69 ft
PC2SE-UL-0	2.20 m to 3.50 m / 7.22 ft to 11.48 ft Optimized for low mounting heights
PC2SE-L-0	2.20 m to 6.00 m / 7.22 ft to 19.69 ft Optimized for mounting heights close to 6 m/19.69 ft
Color	Grey (RAL9006)

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.