



Cube 800

Cube 800 NAM



- Suitable for use with gloves
- 13 MP Camera
- Thermal Imaging Camera
- Multi-purpose design
- Division 1

Intrinsically safe wearable camera and thermal imaging camera

UK
CA

Technical Data

Hardware

Processor	Exynos 7 Octa, 1.6 GHz Octa-core (Cortex®-A53)
Working memory	RAM 3 GByte
Camera	
Main camera	13 MP , Focus 10 cm ... infinite
Video recording resolution	Full HD (1920 x 1080 pixels) @ 30 fps
Thermal imaging camera	
Thermal sensitivity	max. 50 mK
Infrared range	8 ... 14 µm
Measurement accuracy	-10° ... +120°C: +/-5°C -10° ... +450°C: +/-10°C
Internal data memory	48 GByte

Electrical specifications

Battery type	Li-Ion battery 8.14 WH 3.7 V 2200 mAh
Operating duration	up to 4 h

Communication

WLAN	802.11 a/b/g/n (2,4 GHz + 5 GHz)
Bluetooth	Bluetooth® 4.2
GPS sensor	Glonass, Beidou
USB	USB 2.0
Connections	Dual band WiFi: 2.4 GHz and 5 GHz

Software

Operating system	Linux
Languages	Depends on app or software

Ambient conditions

Ambient temperature	Optical camera -20 ... 55 °C (-4 ... 131 °F) Thermal imaging camera -10 ... 55 °C (14 ... 131 °F)
Storage temperature	-30 °C ... +60 °C (>3 months max. +45 °C)
Relative humidity	Operation: min. 5 %, max. 95 % RH

Mechanical specifications

Degree of protection	IP64
Mass	257 g
Dimensions	H x W x D 64 mm x 75 mm x 50 mm

International approvals

UKCA approval	
---------------	--

Release date: 2022-01-12 Date of issue: 2022-01-12 Filename: 70144025_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0002
pa-info@us.pepperl-fuchs.com

Germany: +49 621 776 2222
pa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
pa-info@sg.pepperl-fuchs.com

 **PEPPERL+FUCHS**

Technical Data

UKCA certificate	CML 21UKEX2889X
NEC/CEC approval	
NEC/CEC marking	Class I, Zone 1, AEx ia op is IIC T4 Gb IP64 Class II, Zone 21, AEx ia op is IIIC T135°C Db IP64 Ex ia op is IIC T4 Gb IP64 Ex ia op is IIIC T135°C Db IP64 Class I, Division 1, Groups A,B,C,D T4 Class II, Division 1, Groups E,F,G T4 Class III, Division 1 T4
General information	
Scope of delivery	Cube 800 Power supply &USB-cable Documentation

Accessories

	Monopod	Monopod for Cube 800
	Climbing Helmet Mount, Ex	Climbing Helmet Mount for Cube 800
	Hard Hat Mount, Ex	Hard Hat Mount for Cube 800
	Carrying case	Carrying Case for Cube 800
	Power Supply Set for Cube 800	Power Supply &USB-Cable for Cube 800