



# Cube 800

## CUBE 800 EUR

- Suitable for use with gloves
- 13 MP Camera
- Thermal Imaging Camera
- Multi-purpose design
- Zones 1, 21

Intrinsically safe wearable camera and thermal imaging camera



### Technical Data

#### Hardware

Processor	Exynos 7 Octa, 1.6 GHz Octa-core (Cortex®-A53)
Working memory	RAM 3 GByte
<b>Camera</b>	
Main camera	13 MP , Focus 10 cm ... infinite
Video recording resolution	Full HD (1920 x 1080 pixels) @ 30 fps
<b>Thermal imaging camera</b>	
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

#### Data for application in connection with hazardous areas

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

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## Technical Data

ATEX certificate	EPS 18 ATEX 1 249 X
ATEX marking	Ⓜ II 2G Ex ib op is IIC T4 Gb IP64 Ⓜ II 2D Ex ib op is IIIC T135°C Db IP64
<b>International approvals</b>	
IECEX approval	
IECEX certificate	IECEX EPS 18.0125X
IECEX marking	Ex ib op is IIC T4 Gb IP64 Ex ib op is IIIC T135°C Db IP64
<b>General information</b>	
Scope of delivery	Cube 800 Power supply & USB-cable Documentation

## Accessories

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