



Data Sheet CUBE 800

ATEX



Ⓢ II 2G Ex ib op is IIC T4 Gb IP64
Ⓢ II 2D Ex ib op is IIIC T135°C Db IP64

IECEX



Ex ib op is IIC T4 Gb IP64
Ex ib op is IIIC T135°C Db IP64

NEC / CEC



Pending!



Technical Data

Optical performance

- 13 MP camera (3 x digital zoom)
- 10 cm to infinity focus range
- Automatic focus and white balance
- Integrated LED illumination
- Class 1 laser aiming pointer

Thermal imaging camera

- Longwave infrared, 8 ... 14 μm
- < 50 mK thermal sensitivity
- Auto flat field correction (FFC)
- Typical measurement accuracy:*
Greater of +/- 5 °C or 5 % where scene temperature = -10 °C ... +120 °C
Greater of +/- 10 °C or 10 % where scene temperature = +120 °C ... +450 °C

Audio

- Built-in omni-directional microphone for ambient sound
- Built-in speaker for CUBE status alerts

Video standard

- H.264 / AVC
- HD capture and stream up to 1080 pixel resolution
- Frame rates up to 30fps

Communication

- Configuration and live collaboration using Onsite Connect software iOS 11, Android™ 5.0 (Lollipop) or higher
- Integrated IEEE 802.11 a/b/g/n
- Dual-band WiFi (2.4 GHz and 5 GHz)
- Bluetooth® 4.1 (LE) for pairing to host device
- Direct Wifi connection to the host phone

Media capture and storage

- 48 GB onboard storage
- USB cable for file transfer

Security

- WLAN network authentication: WPA, WPA2, WPA-PSK, WPA2-PSK, open
- WLAN data encryption: AES, WEP, TKIP, or disabled
- 802.1 x authentication: PEAP
- AES-256 media encryption for file storage

Rugged features

- 6-foot drop to concrete at 20 °C
- 75 mm (W) x 64 mm (H) x 50 mm (D)
- IP64
- Weight: 257 g

Operating ambient temperature

- Optical camera: -20 °C ... +55 °C
- Thermal imaging: -10 °C ... +55 °C

Storage temperature

- 30 °C ... +60 °C (greater than 3 months max. +45 °C)

Humidity (non-condensing)

- Short-term storage (up to 3 months) minimum 5 %, maximum 85 %
- Operating minimum 5 %, maximum 95 % RH

Altitude

- Storage (12 °C) minimum 0 ft, maximum 15,000 ft
- Operating (27 °C) minimum 0 ft, maximum 10,000 ft

Power

- Rechargeable 2200 mAh Li-Ion battery
- 5 V DC, 1.8 A AC adapter
- Charging from any standard USB port
- Magnetic charging connector
- Up to 4 hours of runtime, depending on media and illumination settings

*Depends on usage and environmental condition.

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