

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



- 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



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.