

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 | <ul style="list-style-type: none"> ■ 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 | <ul style="list-style-type: none"> ■ 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 | <ul style="list-style-type: none"> ■ Built-in omni-directional microphone for ambient sound ■ Built-in speaker for CUBE status alerts |
| Video standard | <ul style="list-style-type: none"> ■ H.264 / AVC ■ HD capture and stream up to 1080 pixel resolution ■ Frame rates up to 30fps |
| Communication | <ul style="list-style-type: none"> ■ 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 | <ul style="list-style-type: none"> ■ 48 GB onboard storage ■ USB cable for file transfer |
| Security | <ul style="list-style-type: none"> ■ 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 | <ul style="list-style-type: none"> ■ 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 | <ul style="list-style-type: none"> ■ Optical camera: -20 °C ... +55 °C ■ Thermal imaging: -10 °C ... +55 °C |
| Storage temperature | <ul style="list-style-type: none"> ■ -30 °C ... +60 °C (greater than 3 months max. +45 °C) |
| Humidity (non-condensing) | <ul style="list-style-type: none"> ■ Short-term storage (up to 3 months) minimum 5 %, maximum 85 % ■ Operating minimum 5 %, maximum 95 % RH |
| Altitude | <ul style="list-style-type: none"> ■ Storage (12 °C) minimum 0 ft, maximum 15,000 ft ■ Operating (27 °C) minimum 0 ft, maximum 10,000 ft |
| Power | <ul style="list-style-type: none"> ■ 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.