

## DATASHEET

# Pixavi Cam

ATEX/IECEX Zone 1 / 21 Android™ Camera



Higher quality photos, 4K video capturing: Pixavi Cam is the successor of the market leading explosion proof camera Gravity X. A 5.5 inch AMOLED display enables a simple and user friendly experience. The market leading camera specifications ensures that photos and videos will always be crisp and clear.

- Android 9
- 5.5" Full-HD AMOLED Display
- Qualcomm Snapdragon 660
- 12 MP Back Camera
- 8 MP Front Camera
- Dust- and Waterproof (IP68)
- WiFi 5 (2.4/5 GHz 802.11a/b/g/n/ac)
- Bluetooth 5.0
- SD Card
- GNSS



Technical data

|                   |                                                                                                                                                                                                         |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display           | 5.5-inch<br>1920x1080 / 400 ppi<br>AMOLED<br>Corning Gorilla Glass                                                                                                                                      |
| Battery           | 3.200 mAh (Replaceable) Must only be changed and charged outside of potentially explosive atmosphere                                                                                                    |
| Weight            | 293 g (0.64 lb)                                                                                                                                                                                         |
| Size              | 164 x 84 x 14.5 mm (6.4 x 3.3 x 0.57 inch)                                                                                                                                                              |
| CPU               | Qualcomm® Snapdragon 660<br>Octa-Core 2.2 GHz                                                                                                                                                           |
| GPU               | Qualcomm® Adreno™ 512                                                                                                                                                                                   |
| Operating System  | Android 9                                                                                                                                                                                               |
| Memory            | 4 GB LPDDR4X                                                                                                                                                                                            |
| Security          | Regular security updates                                                                                                                                                                                |
| Back Camera       | Video Recording 4K UHD; Snapshot 12MP; Slow Motion Video 120FPS; Zoom Digital 8x; Horizontal FOV 62.64; Vertical FOV 46.98; Auto Focus PDAF; Focal Length 4.36; F Number 1.8; Supports barcode scanning |
| Front Camera      | Video Recording HD 1080P; Snapshot 8MP; Zoom Digital 8x; Horizontal FOV 64.56; Vertical FOV 48.42; Auto Focus Fixed; Focal Length 2.736; F Number 2.2; Supports barcode scanning                        |
| Mass Storage      | 64 GB                                                                                                                                                                                                   |
| Storage Expansion | User accessible MicroSD - up to 128 GB SDXC (UHS-1)                                                                                                                                                     |
| USB               | Magnetic USB 2.0                                                                                                                                                                                        |
| WiFi              | WiFi 5 (2.4/5 GHz 802.11a/b/g/n/ac)                                                                                                                                                                     |
| Bluetooth         | Bluetooth 5.0 and BLE                                                                                                                                                                                   |
| GPS               | GPS, GLONASS & Beidou with Assisted GNSS                                                                                                                                                                |
| Buttons           | 1 x on/off button, 1 x programmable function button and 2 x volume buttons (+/-)                                                                                                                        |
| NFC               | Yes                                                                                                                                                                                                     |
| Notifications     | Audible tone: multi-color LEDs; vibration                                                                                                                                                               |
| Voice and Audio   | Two microphones; Vibrate alert; Speaker; Bluetooth wireless headset support, High quality speakerphone                                                                                                  |
| Sensors           | Gyroscope<br>Accelerometer<br>Magnetometer<br>Ambient Light Sensor<br>Proximity Sensor                                                                                                                  |
| External I/O      | Only for use outside of potentially explosive atmospheres USB 2.0 High Speed (Client)                                                                                                                   |

|                |                                        |
|----------------|----------------------------------------|
| Touch Function | Capacitive touch                       |
| Usability      | Stylus, bare or gloved fingertip input |

Explosion protection

|                             |                                                                                                                                              |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| ATEX Zone 1 / 21            |                                                                                                                                              |
| Type                        | 17-S13*-1***/*                                                                                                                               |
| Marking                     |  II 2G Ex ib IIC T4 Gb<br>II 2D Ex ib IIIC T135°C Db IP68 |
| Ambient Temperature         | -20°C ≤ Ta ≤ +60°C                                                                                                                           |
| Protection Class            | IP68                                                                                                                                         |
| Certification               | CSANe 20ATEX4223X                                                                                                                            |
| IECEx Zone 1 / 21           |                                                                                                                                              |
| Type                        | 17-S13*-1***/*                                                                                                                               |
| Marking                     | Ex ib IIC T4 Gb<br>Ex ib IIIC T135°C Db IP68                                                                                                 |
| Ambient Temperature         | -20°C ≤ Ta ≤ +60°C                                                                                                                           |
| Protection Class            | IP68                                                                                                                                         |
| Certification               | IECEx SIR 20.0036X                                                                                                                           |
| NEC Class I, II, III Div. 1 | TBA                                                                                                                                          |
| Local Certification         | Contact your regional BARTEC office                                                                                                          |

Ordering Information

|                 |                       |
|-----------------|-----------------------|
| Pixavi Cam (EU) | 17-S131-1111/11211000 |
| Pixavi Cam (US) | 17-S131-1211/11212000 |
| Pixavi Cam (AU) | 17-S131-1111/11213000 |
| Pixavi Cam (UK) | 17-S131-1111/11214000 |

Accessories

|                                                                                                             |
|-------------------------------------------------------------------------------------------------------------|
| See datasheet: Accessory list<br>It is absolutely necessary to use original accessories from BARTEC         |
| Included: Screen Protector, Charger, Charging Cable, Quick Guide, Battery Tool and SIM/SD Tray Ejector Tool |
| Optional: Hand strap, Neck Strap, Spare Battery, Protective Cover and Wired Stylus Pen                      |

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