

# Pixavi Cam

## Explosion Proof 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.

The Pixavi Cam is approved for ATEX and IECEx Zone 1/21 and NEC Class I, Zone 0.

Further local certifications are possible on customer request.

- Android 11
- 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

## Explosion protection

|               |                                                            |
|---------------|------------------------------------------------------------|
| Marking ATEX  | II 2G Ex ib IIC T4 Gb<br>II 1 2D Ex ib IIIC T135°C Db IP68 |
| Certification | CSANe 20ATEX4223X                                          |
| Marking IECEx | Ex ib IIC T4 Gb<br>Ex ib IIIC T135°C Db IP68               |
| Certification | IECEx SIR 20.0036X                                         |
| Marking NEC   | Class I, Zone 0, AEx ia IIC T4 Ga                          |
| Certification | 22CA80042090X                                              |

Other approvals and certificates, see  
[www.bartec.com](http://www.bartec.com)

## User environment

|                              |                                     |
|------------------------------|-------------------------------------|
| Operating temperature        | -20 °C to +60 °C (-4 °F to +140 °F) |
| Charging temperature         | 0 °C to +45 °C (+32°F to +113°F)    |
| Protection class (IEC 60529) | IP68                                |

## Technical data

|                        |                                                                                                                 |
|------------------------|-----------------------------------------------------------------------------------------------------------------|
| Processor              | Qualcomm® Snapdragon 660<br>Octa-Core 2.2 GHz                                                                   |
| Memory (RAM)           | 4 GB LPDDR4X                                                                                                    |
| Mass storage           | 64 GB                                                                                                           |
| Storage expansion      | User accessible MicroSD slot;<br>supports up to 128 GB SDXC (UHS-1)                                             |
| GPU                    | Qualcomm® Adreno™ 512                                                                                           |
| Operating system       | Android 11                                                                                                      |
| Google Mobile Services | Not supported, no access to Google apps<br>such as Google Play Store                                            |
| Security               | Regular security updates                                                                                        |
| Size (W x L x H)       | 164 mm x 84 mm x 14.5 mm<br>(6.4 inch x 3.3 inch x 0.57 inch)                                                   |
| Weight (with battery)  | 293 g (0.64 lb)                                                                                                 |
| Display                | 5.5" AMOLED Display                                                                                             |
| Resolution             | 1920 x 1080 Pixel; 400 ppi                                                                                      |
| Front glass            | Corning Gorilla glass                                                                                           |
| Touch function         | Capacitive Touch                                                                                                |
| Usability              | Stylus, bare or gloved fingertip input                                                                          |
| Battery                | Lithium-ion battery 3.8 V/3.200 mAh<br>(12.16 Wh); Must only be changed<br>and charged outside hazardous areas. |
| Notifications          | Audible tone: multi-color LEDs; vibration                                                                       |
| Voice & Audio          | Two microphones; Vibrate alert; Speaker;<br>Bluetooth wireless headset support, High<br>quality speakerphone    |
| Buttons                | 1x on/off button, 1x programmable function<br>button and 2x volume buttons (+/-)                                |

## Camera

- **Back Camera:**  
Video Recording 4K UHD; Snapshot 12MP;  
Slow Motion Video 120FPS; Zoom Digital  
8x; Horizontal FOV 65.87; Vertical FOV  
51.82; Auto Focus PDAF; Focal Length  
4.36; F Number 1.8; Supports barcode  
capture
- **Front Camera:**  
Video Recording HD 1080P; Snapshot  
8MP; Zoom Digital 8x; Horizontal FOV 68.8;  
Vertical FOV 54.37; Auto Focus Fixed;  
Focal Length 2.671; F Number 2.2;  
Supports barcode capture

## NFC

supported standards:  
 NFCA (ISO14443-3A)  
 NFCB (ISO14443-3B)  
 NFCF (JIS X 6319-4)  
 IsoDep (ISO 14443-4)  
 NFC Forum Tag Types 1, 2, 3, 4, 5  
 ISO 15693 (NDEF formatted)  
 MIFARE Classic  
 MIFARE Ultralight  
 The NFC antenna is in the battery

## WiFi

WiFi 5 (2.4/5 GHz 802.11a/b/g/n/ac)  
 Radio frequency / Peak transmit power:  
 2402-2482 MHz / 16 dBm  
 5180-5825 MHz / 15 dBm

## Bluetooth

Bluetooth 5.0 and BLE  
 Radio frequency / Peak transmit power:  
 2402-2480 MHz / 10 dBm

## GNSS

GPS, Galileo, GLONASS and Beidou

## External I/O

Magnetic USB 2.0 High Speed (Client)  
 Must only be used outside hazardous areas.

## Scope of delivery

- Pixavi Cam
- Battery
- Screen protector
- Charger
- Charging Cable
- Battery Tool
- SIM/SD Tray Ejector Tool
- Quick Start Guide (EN)

## Accessories

**See datasheet:** Pixavi Phone/Cam Accessories  
 It is absolutely necessary to use original accessories from BARTEC !

## Ordering information

|                 |                      |
|-----------------|----------------------|
| Pixavi Cam (EU) | 17-S133-1011/1111000 |
| Pixavi Cam (US) | 17-S133-1011/1112000 |
| Pixavi Cam (AU) | 17-S133-1011/1113000 |
| Pixavi Cam (UK) | 17-S133-1011/1114000 |