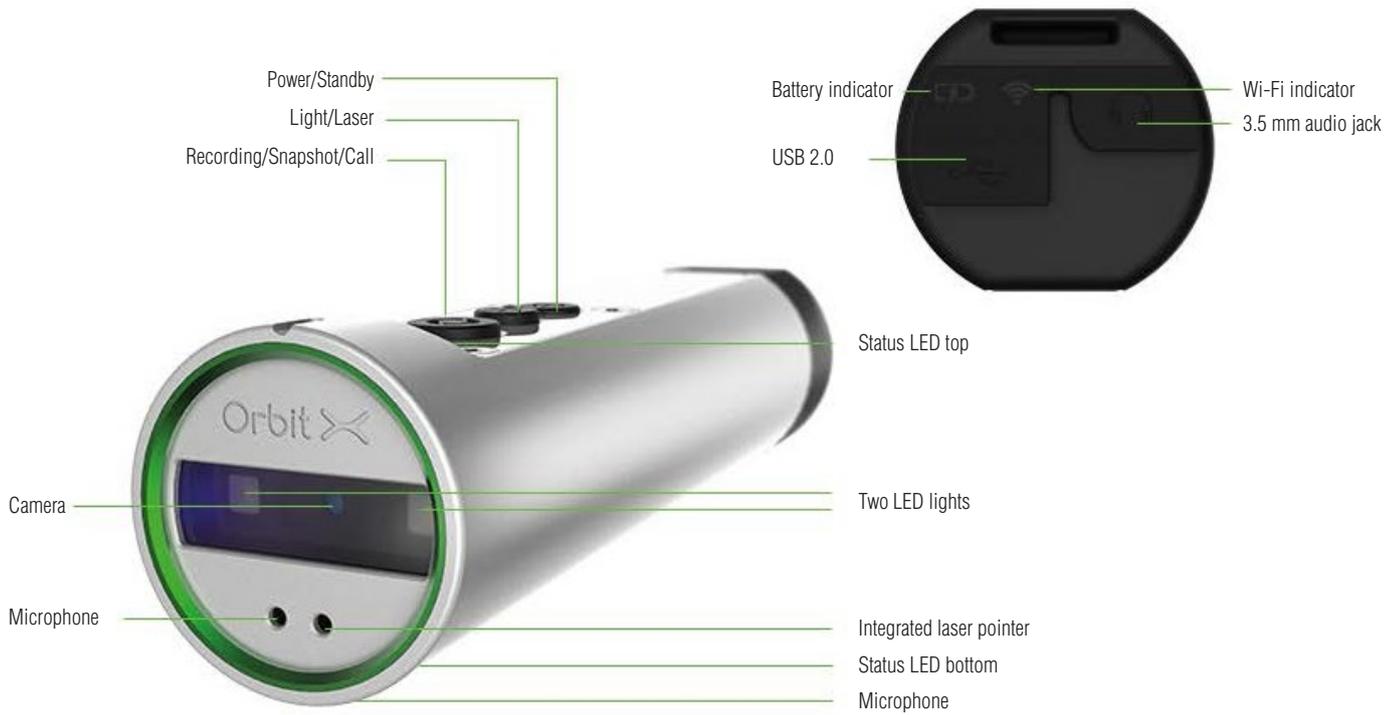




Orbit X<sup>®</sup> EXPLOSION PROOF WI-FI CAMERA

# Orbit X<sup>®</sup> EXPLOSION PROOF WI-FI CAMERA



  
Dual Band Wi-Fi

  
High end Imaging

  
Sync to USB

  
Cloud managed

  
Rugged/Waterproof

  
Zone 1

| APPLICATIONS  | FEATURES   | BENEFITS   | SPECIFICATIONS  |
|---|--|--|---|
| <ul style="list-style-type: none"> <li>Remote diagnostics</li> <li>Tele buddy mode</li> <li>Inspection and maintenance</li> <li>Surveillance</li> </ul> | <ul style="list-style-type: none"> <li>HD video streaming</li> <li>High end imaging</li> <li>Light and flexible</li> <li>Powerful LED</li> </ul> | <ul style="list-style-type: none"> <li>Make better decisions</li> <li>Increase flexibility</li> <li>Decrease travel expenses</li> <li>Improve work routines</li> </ul> | <ul style="list-style-type: none"> <li>16 - 32 GB mempry</li> <li>IECEX and ATEX</li> <li>Rugged, IP 68</li> <li>Dual Band Wi-Fi</li> </ul> |

The Orbit X is probably the toughest, smartest and smallest IECEx and ATEX Zone 1 explosion proof camera you have ever seen. The camera has a HD imaging sensor, two LED lights and laser pointer fitted into an extremely compact form. This enables you to capture images and video as well as conduct live video conferencing and CCTV type video streaming sessions wirelessly in any hazardous area.

The explosion proof Orbit X Wi-Fi camera offers crisp and colorful 1080p imaging and video that you can be stored locally on the device or streamed in high quality over Wi-Fi. It is designed to be used in confined, dark and hard to reach areas. With focus on simple, user friendly operation in a compact, power efficient and rugged design, it is a very versatile product. The Orbit X can be used as a helmet, inspection or surveillance camera. It can be used as a standalone camera as well as in combination with the Intrinsically Safe Smartphone Impact X or Intrinsically Safe Camera Gravity X.

## FULL HD VIDEO CONFERENCING

The Orbit X is nothing short of a technological innovation statement by BARTEC PIXAVI. Imagine that a camera this compact and rugged can record, stream and output 1080p video and 8 megapixel still images wirelessly. You can also record images and video locally, and transfer them to a computer using USB. The Orbit X has 16 to 32 GB of internal memory for several thousand images and hours of HD video.

Since the camera is running Android, there are many customization options available. As standard, we are bundling the SIPIDO app, that allows you to do full HD video conferencing wirelessly. The Wi-Fi camera can stream video to any SIP or H.323 video conferencing system. The Orbit X is configureable from the cloud using Collaboration X Mobile Device Management System.

## INTEGRATED LED & LASER

The Orbit X is equipped with two powerful video light LEDs for dark scene illumination. It is designed for use in confined, dark and hard to reach areas. The LED light will not trigger any optical alarms. The integrated laser pointer allows for easy collaboration when in a real time communication session, and can be used for pointing and explanation. The light and laser can be toggled on/off with the touch of a button.

## CONNECTIVITY AND MANAGEMENT

The Orbit X can be managed remotely using the Collaboration X Device Management System. The Orbit X can also be paired wirelessly with any Android device. It can connect to PC and control via USB display function, install apps and configure Android settings. The Orbit X configurator app is available on Google Play.

## THREE MODES OF OPERATION

The Orbit X explosion proof Wi-Fi camera is very versatile, and can be used for a wide range of inspection, maintenance, documentation, communication and collaboration tasks. The three modes are:

1. Standalone camera or camcorder with local recording
2. Smartphone pairing via Wi-Fi using Orbit X configurator app
3. Network camera and video conferencing managed from the cloud

## BUTTONS & INDICATION

We have worked hard to make this camera as easy to use as possible. Each function has a dedicated button: illumination/laser, recording/snapshot and on/off. It comes with a simple quick guide and is very easy to set up for the first time. You can use the Impact X Intrinsically Safe Smartphone, or a regular Android Smartphone to pair the Orbit X with a network the first time.

## HEADSETS

The headset connection allows for the camera to be used as a complete wireless video headset with a direct audio output that works with any headset. The Orbit X also has built in Bluetooth for wireless headsets. Check out the accessories section for more information.

## UNIVERSAL MOUNTS

The Orbit X can be used in a wide range of applications. We have therefore made a set of customized mounts that makes you able to use the camera wherever you want. The Orbit X is shipped with helmet and wall mounts.

Telescopic poles can also be used to film and inspect those hard to reach areas (accessory), no need for rope access and ladders! The devices can quickly and safely be removed and docked in any position.

« Orbit X is the toughest camera for hazardous areas you ever seen.  
And the smartest. »



| Certifications        |  |
|-----------------------|--|
| Explosion protection  |  |
| ATEX                  | II 2G Ex ib op is IIC T4   |
| IECEX                 | Gb Ex ib op is IIC T4 Gb   |
| CSA                   | applied for  |
| CSA US                | applied for  |
| Protection class      | IP 68 water proof  |
| Shock resistance      | 4 Joule shock/2 meter drop   |
| Wireless              | CE and FCC compliant   |
| HS Code               | 8525.80.0035   |
| Country of Origin     | «Made in Norway»   |
| Video & Imaging       |  |
| Video resolution      | Full HD video (1080p, 30 FPS)  |
| Image resolution      | 8 megapixel still images   |
| Buttons               | Power/Standby, Light/Laser and Recording/ Snapshot/Call  |
| Codecs                | H.264/AVC codec  |
| Storage               | 16 - 32 GB of internal video and image storage   |
| Image sensor          | 1/3 inch high end CMOS sensor (8 Mpix)   |
| Light modes           | Powerful Video LED light   |
| Physics               |  |
| Length                | 117.5 mm   |
| Diameter              | 27 mm  |
| Weight                | ST Version 85 g<br>Ex Version 105 g  |
| Storage temperature   | -40 °C to +60 °C   |
| Operating temperature | -20 °C to +45 °C   |
| Camera glass          | Gorilla glass impact proof   |
| Material Surface      | Aluminium  |
| Mounting              | Hard anodized scratch free surface<br>Helmet, wall mount included.   |
| Connectors            | Tripod and telescopic pole available as accessories<br>Covered USB and audio jack.<br>(Non ATEX version available with micro HDMI) |
| Power                 |  |
| Battery               | 1000 mAh   |
| Standby               | 200 hours  |
| Video streaming       | up to 1 hour   |
| Video recording       | up to 1.5 hours  |

| Applications           |  |
|------------------------|--|
| HD Video collaboration | SIPIDO app   |
| Management solution    | Collaboration X  |
| Third Party Apps       | Google Play  |
| Web Media Gallery      | View images and video in browser                                 |
| Core features          |  |
| Operating system       | Android 4.2.2 Jelly Bean   |
| CPU                    | Dual core 1.2 GHz  |
| Video codec            | 1080p, 30 FPS video  |
| Wireless               |  |
| Bluetooth              | Bluetooth  |
| Wi-Fi                  | 802.11a/b/g/n (2,4 + 5 G)  |
| Audio                  |  |
| Microphones            | 2 Digital (speech + surroundings)                                |
| Noise canceling        | Active noise cancelling  |
| Audio communication    | Full duplex audio communication                                  |
| Audio codecs           | CD quality AAC LC/LD   |
| Bluetooth              | Bluetooth audio headset support                                  |
| Headset                | 3.5 mm audio jack  |
| Pairing                |  |
| Wireless pairing       | Connect to Android Smartphone with Orbit X Configurator app      |
| Networking             |  |
| Video conferencing     | SIP, H.323   |
| Streaming              | ISMA, RTSP, HTML5, WebRTC, Onvif                                 |
| Firewall               | Firewall traversal technology                                    |
| STUN                   | STUN server support  |
| QoS                    | Diffserv, IP presedence (QoS)                                    |
| Scope of Delivery      |  |
| Charger                | USB charger included. EU/US/UK and AU version specified on order |
| Warranty               | 1 year hardware warranty   |
| User manual            | Quick guide and online manuals                                   |