



Gravity X® Intrinsically Safe Camera



Are you looking for a lightweight and easy to use HD compact camera for your work in Ex areas? Using this intrinsically safe digital camera you can also take first-class and high resolution images in places where other cameras may not go.

The Gravity X intrinsically safe camera is certified for ATEX and IECEx Zone 1 and Zone 2 as well as CSA Class 1, Zone 1 (for US and Canada). The Gravity X has 8 megapixel HD image sensors, an extra powerful LED light and a sunlight-readable display, glove compatible touch and HD video recording capabilities.

APPLICATIONS
Oil and Gas
Petrochemical
Mining
Pharmaceutical

FEATURES
Three HD cameras
Powerful LED light
Glove compatible
Light and user friendly
Direct keys for camera etc.

BENEFITS
Use in low light/darkness
Easy media transfer to PC
Updates possible via remote access

SPECIFICATIONS
8 megapixel Full HD image sensors
4.3" sunlight readable display
Waterproof, IP 68
Wi-Fi and Bluetooth

USER-FRIENDLY AND HIGH QUALITY

Full HD 1080 p video and 8 megapixel image capture, high-end optics and super fast zoom and auto focus makes the Gravity X a very powerful product. The product enables high quality still image, audio and video capture in hazardous areas and immediately upload and store them to a network or computer. The camera also has a high capacity battery, fast auto focus lens and high resolution image sensors. The camera has an extremely light sensitive image sensor as well as a powerful LED light enabling it to take great images in dark and confined spaces. The Gravity X intrinsically safe camera replaces the Xorder EX4000 camera.

YOUR FRIEND IN THE FIELD

Ruggedized and Ex certified products have always been associated with low performance and outdated technology as well as bulky form factors. We wanted to change that! Our customers came to us and said they wanted the same performance and form factor in their rugged devices as they have in their consumer devices. They also wanted some additional features that no other camera has, and we made it happen. For example, the wake up time from standby is just 0.5 seconds, and the dedicated camera button allows the user to quickly and easily take images on the spot. The camera is fitted with a rugged strap mount for increased availability and dropped object safety.

« Revolutionary camera for image and video capture in hazardous areas. »

VIDEO AND IMAGING CENTRIC

We designed the camera with touch industrial environments in mind where battery lifetime, ruggedness, sunlight readability and camera performance are essential. To ensure that the product achieves professional grade photography, we decided to add a dedicated camera button. The button has a two step procedure where the AE parameters are set before you fire the shot, much like your DSLR camera.

MANY CAMERA APPS AVAILABLE

The Gravity X comes with different camera apps and there are plenty more in numerous app stores. This allows the user to customize the camera and have more usage scenarios. For example, you can now have access to apps for remote triggering of images, timed images, landscape shots, time laps and many others.

FLIPSCAPE™

Did you ever wonder why many mobile videos are shown in a narrow strip in the middle of the video window on YouTube? The reason is that people want to hold their phone with one hand when recording videos. Flipscape solves this. Portrait mode or Landscape mode? It does not matter to Gravity X. Pictures will come out right whatever way you hold the device. The Gravity X changes to the second camera which is rotated 90 degrees compared to the other camera. You can now record landscape videos with one hand and have the other hand free.

ERGONOMIC FEATURES

Gravity X has been developed together with end users, and reflects over 25 years of experience with mobile equipment for use in hazardous areas. First of all, the camera has a glove compatible touch screen and weight of only 290 grams which allows the users to bring the camera to any environment. The form factor is very attractive, it can easily fit in one hand and inside a normal pocket. The camera also comes with a world's first feature, the FlipScape™.

DOUBLE BATTERY CAPACITY

The Gravity X is packed with advanced technology in order to offer the best possible performance in a very small form factor. Efficient processors minimize power consumption. The storage battery capacity is double as high as in other devices. The 3000 mAh storage battery guarantees interruption-free operation.

IMMUNE TO THE ELEMENTS

The Gravity X is ruggedized to an extent that makes it able to take almost any challenge the environment might throw at it. It is impact-proof, drop-proof, dust-proof, corrosion-proof and water-proof (IP 68) and has the ability to withstand extreme temperatures. It has a 2 mm thick Gorilla Glass with special surface sealing. The IPS display ensures high color accuracy and is easy to read even in direct sunlight.

MACHINED FROM ALUMINIUM

The Gravity X housing is made of one piece. The rugged design of first-class Norwegian aluminum ensures the longevity and quality of the product. It is designed in cooperation with offshore workers and descends from a long tradition of Ex certified products designed by BARTEC PIXAVI in Norway.

ANDROID OPERATING SYSTEM

Android is the leading mobile operating system today. Android enables a high performance media framework and easy to use, intuitive interfaces. The operating system is quick, familiar, and customizable. Android is easily updated, secure and future-proof. There is a growing community of app developers, which allows for customizations and new functionality. You also have access to a wide range of value adding apps from various app stores. Gravity X is a simplified version of the Impact X, without mobile telephone system and SIM card. The camera can be described as a mini tablet because it offers the same functions as an Android tablet. The Gravity X does not have a SIM card slot, and can therefore be used where cellphones are not allowed.



Certifications

Marking

ATEX	Ex II 2G Ex ib op is IIC T4 Gb
IECEx	Ex ib op is IIC T4 Gb
CSA (CAN/CSA)	Class I, Ex ib IIC T4 Gb
CSA (ANSI/UL)	Class I, AEx ib IIC T4 Gb
Wireless	CE, FCC and IC
HS Code	8525.80.0035
Country of Origin	«Made in Norway»

Temperature range

Operating temperature	-20 °C to +45 °C
Storage temperature	-40 °C to +60 °C

Video and imaging

Video quality	Full HD video (1080 p, 30 fps)
Imaging	8 megapixel still images
Image capture	Dedicated camera button
Video codecs	H.264/AVC codec
Zoom	4 x
Storage	16 to 32 GB

Ruggedness

Impact	2 joule impact proof
Drop	2 meter drop proof
Submersible	IP 68 waterproof
Housing	Made from one piece of aluminium
Connections	Covered USB
Screen	2 mm Gorilla Glass

Audio

Microphone	Digital omni directional microphone
Audio	Full duplex audio communication
Video recording	Stereo microphones on back
Wireless headset	Bluetooth audio headset support
Handsfree	Integrated mic and speaker
Audio codec	CD quality AAC LD
Audio out	3.5 mm connection

Sensors

Orientation	3 axis gyroscope
Positioning	Global Positioning System (GPS)
Accelerometer	Accelerometer
Navigation	Compass

Power input

Battery size	3000 mAh
Standby	400 h
Video playback	8 h
Video recording	4 to 6 h full operating time

Scope of delivery

Charger	USB
Transfer images	Standard software for transferring images
Warranty	1 year hardware warranty
User Manual	Quick guide
Product box	Product box with custom shaped foam inlays

Size and weight

Size	150 mm x 65 mm x 12 mm
Weight	290 g (10 oz)

Display and touchscreen

Screen size	4.3 inch Retina display
Resolution	480 x 800 pixels
Brightness	Direct sunlight readable display
Touchscreen	Glove compatible capacitive touch
Glass	Gorilla glass (IP 68)
Buttons	On/Off, Volume, Camera, Android

Applications

HD Video Collaboration	SIPIDO
Management Solution	Collaboration Suite
Browser	Full blown HTML5
Document Viewing	PDF and Office documents
ERP	Compatible with ERP systems
Apps	1.3 Million and more on Google Play

Ergonomics

Image capture	Flipscape™: one hand videography
Dirt proof	Anti-smudge recess for camera glass and screen
Touchscreen	Glove compatible, moisture resistive
Form factor	Fits in hand and pocket
Dropped object	Hand strap for ergonomic grip

Networking

Wi-Fi	802.11 a/b/g/n (2.4 GHz & 5 GHz)
Bluetooth	Bluetooth 4.0
Wi-Fi media sharing	Dropbox™, Picasa™, Flickr™, Box™, OneDrive™

Operating system

Android	5.1.1 Lollipop
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