

Data Sheet

ECOM SMART-EX[®] CAMERA

FOR USE IN ATEX ZONE 1 / CLASS 1 DIV 1



Supplied by

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ZONE 1 & DIV 1



Smart-Ex[®] Camera

CAMERA SOLUTION

FOR USE IN ATEX ZONE 1 / CLASS 1 DIV 1

Smart-Ex camera

**A PICTURE IS WORTH A THOUSAND WORDS.
THIS IS OFTEN TRUE - EVEN IN HAZARDOUS
AREAS.**

Taking a high resolution photo or full HD video of a fault or malfunction, and sending it directly to the control centre can streamline the actions needed to correct the fault, reducing the time to a fix, and potentially reducing the risk to the plant and people.

Until now, „Ex“ cameras intended for use in hazardous areas have been expensive, heavy, a potential security risk, and often limited in functionality. With the introduction of Smart-Ex® Camera, these limitations disappear.




**Video
functionality
in full HD**

Smart-Ex® Camera for use in Ex-hazardous areas

OTHER ADVANTAGES INCLUDE

- Video Functionality:
 - Full HD, 1920 x 1080 px (rear camera),
 - HD, 1280 x 720 px (front camera)
- Battery 3600 mAh, Stand by time up to 1000 hours
- Integrated GPS and RFID: attach a geo-location reference to the pictures/videos, aiding future diagnosis / correction tasks
- Small, lightweight and extremely robust
- ATEX / IECEx / NEC approval: can be used in almost any hazardous area around the world
- Programmable Hardware keys of the Smart-Ex® Camera to trigger the camera / video recording

When combined with MDM (Mobile Device Management) or „Kiosk mode“ software, Smart-Ex® Camera offers a more prudent investment and future-proof option compared to traditional „Ex“ cameras. Such software is used to limit the access to specific functions on the device.

And, when combined with Bluetooth „BLE“, such as the ecom Loc-Ex 01, Smart-Ex® Camera can be configured to automatically disable the camera in sensitive plant locations, and re-enable the camera in authorised areas - providing the convenience of a camera without the business risk.



SMALL, LIGHTWEIGHT AND EXTREMELY ROBUST



More information on www.ecom-ex.com

PERFORMANCE	
Operating System	Android™ 4.4, KitKat
Standard image capture resolution	8 MP auto focus rear, max. 3264 x 2448 px photos 1 MP fixed focus front
Sensor	CMOS
Video resolution	Full HD, 1920 x 1080 px (rear camera), HD, 1280 x 720 px (front camera)
Zoom	Digital zoom
Processor	Chipset MSM8926 1.2 GHz Quad core
Flash	Yes
User memory	12 GB
PHYSICAL CHARACTERISTICS	
Screen size	4.0 inch
Display	Corning Gorilla® Glass 2 with Glove Touch, Outdoor Visibility
Weight	Approx. 370 g
Battery Type	Embedded
Capacity	3600 mAh, Stand by time up to 1000 hours
Cell type	Li-Ion
Ambient temperature	-20°C ... +55°C
IP	68

CERTIFICATION	
ATEX 	Ⓜ II 2G Ex ib IIC T4 Gb IP64 Ⓜ II 2D Ex ib IIIC T135 °C Db IP64 Mining (Smart-Ex® 01M) I M1 Ex ia I Ma IP64
IECEX 	Ex ib IIC T4 Gb IP64 Ex ib IIIC T135 °C Db IP64 Mining (Smart-Ex® 01M) Ex ia I Ma IP64
NEC & CEC 	Class I, Division 1, Groups A-D T4 Class II & III, Division 1, Groups E-G T4
KC - Korean Zulassung 	Ex ib IIC T4 Ex ib IIIC T135°C
NCC (Brasilien) 	Ex ib IIC T4 Gb IP64 Ex ib IIIC T135 °C Db IP64

FEATURES

- Intrinsically Safe Camera, the Smart-Ex® Camera
- 8 MP Rear Camera with LED-Flash and torchlight function
- 1 MP Front Camera
- Camera to capture assets and faults

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