



Extronics is a leading UK company specialising in the manufacture and supply of a diverse range of intrinsically safe and explosion protected electrical and electronic equipment. Extronics sources equipment from all over the world, so whatever your need, from standard products to specialised packages, engineered solutions, training or certification, let Extronics be your partner.

Specialist Products

The product range embraces technology to meet with the requirements for applications within Process Automation, Monitoring and Control, Electrical Installation, Test, Calibration as well as the emerging and dynamic Communications arena providing the infrastructure for WLAN (Wireless Local Area Networks).

Extronics hosts two comprehensive websites where information on the product range is available as well as incorporating useful sections on Ex standards and related material.

Engineered Solutions, Bespoke Certification and Development

Extronics multidiscipline capability matched with a high level of expertise and ingenuity provides the diversity necessary to engineer solutions based upon the various concepts of protection for applications in the hazardous environment.

Whether the requirement is a simple Explosion proof enclosure or a complex package of equipment every application is augmented with a comprehensive documentation portfolio including all the appropriate certification.

Extronics has many years of experience of developing products for hazardous areas and offers a re-engineering service to OEM's to provide them with a fully certified version of their standard safe area product, which can include its contract manufacture if required.

Training and Certification Services

Extronics offers a range of services that can be tailored to meet specific requirements from complete EPDs, embracing risk assessment and area classification, to onsite courses covering the ATEX Use Directive and the Installation and Maintenance of Hazardous Area Equipment.

Wireless Networks for Extreme Environments

The wireless network for extreme environments product range gives customers the most advanced, feature rich, intrinsically safe and explosion proof networks available, based on the worldwide 802.11 standard.

Included in the range is Extronics Automatic Mustering and Personnel Location products designed for companies that need to mobilise and track their workforce or assets within hazardous facilities.

Extronics offers part or complete solutions to OEM's, System Integrators and End Users depending on the scope of the project. Whether it is hardware supply, network design, site surveying or commissioning Extronics has the solution for your hazardous area and extreme environment networking applications.

iCAM501

Intrinsically Safe Digital Camera



Zone 0 ● Super Bright 4 LED Flash ● Voice Annotations ● Anti Shake ● 3.1 Mega Pixel
1GB Memory ● User Upgradeable ● Rugged Housing ● Compact & Lightweight ● Simple Data Transfer



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iCAM501

Intrinsically Safe Digital Camera

Create visual and audio records in the hazardous area...

ATEX II 1 G Ex ia IIB T4 Ga, II 2 G Ex ia IIC T4 Gb
IECEX Ga, Gb, II 1 G Ex ia IIB T4, II 2 G Ex ia IIC T4
Group 1 M1 mining certification pending (expected October 2010)
-20°C to +60°C
IP65

The iCAM501 intrinsically safe digital stills camera is the perfect visualisation tool for use in hazardous areas. ATEX and IECEx certified, the iCAM501 can be used in all sectors of industry including Chemical & Pharmaceutical plants, Oil & Gas production platforms, Refineries, Mining and Emergency Services to name but a few.

Made of rugged injection moulded anti static plastic, the iCAM501 is IP65 rated and is suitable for use in the most arduous environments. Due to its long slim lightweight enclosure weighing less than 200g, the iCAM501 lends itself to single handed operation, making it convenient to carry in your pocket.

Equipped with its super bright 4 LED flash, anti shake technology and 3.1 mega pixel resolution, the iCAM501 provides high quality images in all Hazardous Area environments.

Data transfer to any computer in the safe area is simple and easy to undertake via a USB port utilising Picture Transfer Protocol (PTP) which is initiated automatically.

All images are date and time stamped to create a chronological history and are coupled to the unique function of Voice Annotation Audio records, which are systematically matched to the image filename.



Downloading files is easy - open the rear of the camera using a coin to access the USB port. Then simply connect the camera to any PC and downloading begins automatically.

Rugged Housing

The iconic injection moulded anti static plastic housing is IP65 rated and suitable for use in the most arduous environments.

Compact and Lightweight

The long slim camera enclosure lends itself to single handed operation and weighing less than 200g is convenient to carry in your pocket.

Super Bright 4 LED Flash

The powerful integrated flash allows for picture capture in very poor light conditions.

Voice Annotations

Never forget – record voice notes to store a .wav file with the same filename as the image taken for detailed reports.

Anti Shake

High quality images are produced every time, minimising the possibility of blurring.

The iCAM501 allows you to add audio records to your photographs



User Upgradeable

Field upgradeable firmware via USB allows future upgrades to be carried out by the user.

3.1 Mega Pixel

High resolution images provide greater detail of equipment or larger areas such as plant rooms and buildings.

1GB Memory

Allows for a much higher level of visual/audible data storage. Hold approximately 5,000 JPEG images without any audio recording and additional 960Kbytes per minute for audio.

Simple Data Transfer

3 Simple Steps – open, connect via a USB port and transfer data utilising the Picture Transfer Protocol (PTP). Certified for direct connection to any PC in the safe area without requiring an external protection barrier.

Powered by Primary Cells

Certified for use with leading brand alkaline cells means the camera is always ready to use any time, any place.

The iCAM501 fits easily in a top pocket

