

Portable ultraviolet casts light on subject

AN ultra-bright, portable, ultraviolet light source for use at crime scenes that enables fluorescence to be viewed even in full daylight has been launched by UK based company Ultrafine Technology.

The Superlite 100 is a compact unit that takes advantage of breakthroughs in lamp technology to produce increased output. The unit is half the size of the previous model but offers a considerably longer lamp life of more than 2,000 hours, the developers claim.

With a battery connected to its 12Vdc rear socket, it is portable, making it possible to carry out fluorescence investigations in the field.

The company says that it has developed the product for forensic and police work providing higher illumination of a crime scene, improved contrast and an ability to perform fluorescence examinations in daylight.

Ultrafine Technology/1430249



LIT UP: Illuminating poorly lit crime scenes is one application for the unit

The output can also be switched to an intense white light, which has the advantage of making a tripod unnecessary when taking photographs without flash.

Applications for the unit include the collection of evidence in poorly illuminated sites, verification of banknotes, the direct spotting of foreign fibres on textiles, and examination in daylight of documents with security features.

The Superlite 100 accepts the same accessories as previous units, including a range of liquid lightguides. A line illuminator for improved footprint detection is also available.

Digital Ally launches pared-down rear-view, mounted video system

DIGITAL Ally Inc, a designer and manufacturer of digital video surveillance products in the United States, has developed a pared-down version of its rear-view, mounted in-car video system, which it says is suitable for police departments with small budgets.

The DVM-100, priced at \$1,895 (£1,194), does not have all the features of the DVM-750 and DVM-500Plus, but it is easy to operate and has high quality video, the company says.

The unit includes H.264 Codec at 30 frames per second, pre-event recording,

covert mode, metadata, a remote wireless microphone, an integrated microphone for recording inside the vehicle and USB download or removable SD card as well as back-office software.

Stanton E Ross, the company's chief executive officer, said: 'We often encounter departments with limited budgets that are unable to purchase in-car video systems that can provide protection for law enforcement officers and citizens while documenting important criminal evidence.'

Digital Ally has developed digital in-car video systems integrated into a rear-view mirror; a waterproof digital video system that is modular to fit motorcycles, boats or any other motorised vehicle; a compact video system that may be worn or mounted; a digital video flashlight; a thermal imaging camera; and the LIDAR handheld speed enforcement gun.



Digital Ally/1430251

Glass building's surveillance system covers all the angles

A HIGH-SECURITY UK government building has installed a surveillance system that can capture every approach to the building from any direction to deliver full facial and number plate recognition during daylight as well as at night.

None of the cameras were allowed to be mounted externally and all cameras were mounted internally in the glass building.

Following consultations with the client, which cannot be named for security reasons, IT and communications company Tellemachus designed and installed an Avigilon HD megapixel surveillance system. This provided a number of surveillance-grade day and night HD megapixel cameras, which allow viewing and recording of all the data captured by each camera at full resolution at up to 16 megapixels.

A secure IP networking infrastructure, including a dedicated storage and archiving system, was also designed and installed.

The network and dedicated viewing stations allow the live and recorded HD megapixel video footage to be viewed in various strategic locations throughout the facility, and potentially also at other offsite locations.

Using sophisticated analytics within the Avigilon software, any approaches to the building are automatically recorded, for a number of days, while other actions, such as tree branch movement, are ignored, significantly reducing the storage requirements and reducing costs.

Because of the blast protection film covering all the external glazing, Tellemachus had to design and manufacture bespoke camera boxes that fit directly against the glass to allow an unimpinged view for the appropriate camera lens, while also eliminating unwanted reflections from the film.

The Avigilon Control Center software includes a video search feature that saves time by allowing users to quickly and accurately navigate through large amounts of recorded high-definition video to find scene changes, missing objects and events.