

Feb 2008

BOSCH MAKES NEAREST RIVAL BITE THE BULLET IN LATEST SERIES OF CAMERA SHOOTOUTS

The IP Dinion camera from Bosch Security Systems has once again outgunned its nearest rival in the latest two-day 'camera shoot-out' events targeted at installers and security consultants.

This year's event pitched the IP Dinion, a day night camera with XF processor, against an Axis 221 day night camera, with both devices set up over a network to its matching decoder so that scenes could be viewed from all cameras on a row of identical monitors. The results were startling, as Bosch's CCTV Product Manager, Dave Mulcahy explains:

"The Dinion IP's performance was seen to be far superior to that of the Axis IP, which lacked sensitivity when viewing a moving target and results in excessive motion blur at low light. Dinion IP – as with all cameras within the Dinion range – have XF processors that show how important wide dynamic range (WDR) and good quality noise reduction is at low light.

"WDR, the ability to cope with bright and dark parts of the picture at the same time, has to be turned off on other cameras if they need to work in low light. Bosch's XF processor, however, allows WDR and low light at the same time which is crucial in difficult lighting conditions such as looking into car headlights or coping with pools of light at night."

The camera shootout was once again set up to test a number of different camera technologies working in the same conditions. All cameras were equipped with identical lenses and set to look at the same scene, which consisted of:

- A red car (for colour rendition, number plate readability and wide dynamic range handling when headlights were switched on)

- A Rotakin (Resolution test)
- A person walking around to show the effects of motion blur at low light.

The target area for the Southern event was one of the darkest corners of Kew Gardens, London, with no illumination from streetlights (scene illumination approx 0.1 lux) and an infrared illuminator and white light source could be switched on as required.

Many of the guests attested to the validity of the tests and their results. Jack Polubinski of Siemens Building Technologies said: "The shoot out was very useful not only as a comparison between different cameras and lighting conditions but also because it also showed the limitations of the new technology megapixel cameras."

Tony Wilkinson, Director of Aeon Systems said: "I found the Bosch camera 'shootout' was very professionally presented with an effective and immediate comparison of different manufacturers' ranges of cameras under low and no light conditions. Bosch, together with supporting companies such as Infra Red Illumination, ensured the information presented at the 'shootout' was totally relevant to the CCTV installation field, demonstrating latest technology products available, and in my opinion served to confirm the leading position of Bosch in the security systems market."

The analogue cameras tested this year were: the Bosch LTC0495 1/3" Day Night with XF processor (Bosch DSP) for Wide Dynamic range and noise reduction; Bosch LTC0485 1/3" Colour with XF processor; Bosch LTC0455 1/3" Colour standard hi-res camera (used as a benchmark it gives unprocessed images close to that perceived by the human eye); Samsung SDN-550PD 1/3" Day Night DSP camera; and JVC TK-C1531EG 1/3" Day Night DSP camera. A Bosch Gen 4 Autodome (18 x day/night) was also tested and compared against the best fixed cameras.

Bosch also hosted a camera shootout at Walton Hall & Gardens in Warrington, offering a more convenient location for consultants, end users and installers in the North. The event was very well received and will be repeated next year.

ENDS

Contact person for press enquiries:

Iona McIntyre or Alison Bell – AGA public Relations – 020 7330 8888

Or email imcintyre@aga.co.uk

The Bosch Group is a leading global supplier of technology and services. In the areas of automotive and industrial technology, consumer goods, and building technology, some 271,000 associates generated sales of 46.3 billion euros in fiscal 2007. The Bosch Group comprises Robert Bosch GmbH and its more than 300 subsidiaries and regional companies in roughly 50 countries. This worldwide development, manufacturing, and sales network is the foundation for further growth. Each year, Bosch spends more than 3 billion euros for research and development, and applies for over 3,000 patents worldwide. The company was set up in Stuttgart in 1886 by Robert Bosch (1861-1942) as “Workshop for Precision Mechanics and Electrical Engineering.”

The special ownership structure of Robert Bosch GmbH guarantees the entrepreneurial freedom of the Bosch Group, making it possible for the company to plan over the long term and to undertake significant up-front investments in the safeguarding of its future. Ninety-two percent of the share capital of Robert Bosch GmbH is held by Robert Bosch Stiftung GmbH, a charitable foundation. The majority of voting rights are held by Robert Bosch Industrietreuhand KG, an industrial trust. The entrepreneurial ownership functions are carried out by the trust. The remaining shares are held by the Bosch family and by Robert Bosch GmbH.

Additional information can be accessed at www.bosch.com.