



Bosch enhances its DiBos DVR family with new compression, ease-of-use and network features

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- ▶ MPEG-4 technology provides smaller file size with higher frame rates
- ▶ Best combination of analogue cameras and digital networking cameras

August 2005. Bosch Security Systems has added several new features to its DiBos family of Digital Video Recorder and Transmission Systems for CCTV surveillance that considerably enhance performance and ease of use. Chief among the new features is the step-up from JPEG to MPEG-4 compression technology that provides best image quality. At the same time it increases data storage efficiency, providing substantial savings in archiving costs. Other new features include the ability to combine legacy analogue technology with state-of-the-art digital networking; as well as a newly designed user interface and an improved configuration process – both designed to make operation even easier and to further simplify set-up.

With MPEG-4 compression, DiBos now provides superior images and makes optimal use of available bandwidth and storage capacity, allowing a very high number of images to be simultaneously transmitted over networks. MPEG-4 enables at least five times more images than JPEG or Wavelet techniques for the same resolution and quality. DiBos also allows the combination of MPEG-4 and JPEG data streams, meaning that the system can employ both analogue and digital network cameras.

The new Pentaplex feature allows the connection of a total of 62 cameras to one DiBos system to give maximum flexibility and scalability. Five simultaneous modes are provided by the Pentaplex feature: viewing of live images, recording of images, search and viewing of recorded images, image transmission and download via local network or Internet, and image export to external recording devices.

The new user interface not only gives a sophisticated and attractive 'look and feel', but also considerably improves ease of use. DiBos is designed for fast and convenient installation with 'plug-and-play' set-up – simply unpack the system from its box, connect the cameras and switch on. DiBos then shows all cameras connected to it and recording can start. Basic settings are rapidly implemented through an innovative configuration wizard, typically requiring only about five minutes. A structured configuration program is available for complex installations requiring more advanced settings.

An additional innovative feature now incorporated in DiBos and already standard in Bosch's Dinion, DinionXF and AutoDome cameras is the unique

Bilinx interface. Bilinx uses conventional coax, unshielded twisted pair (UTP) and fibre-optic video transmission links. DiBos has the Bilinx capability integrated: It enables the user to remote customize camera settings and to control Autodome cameras, only via coax cable. No additional control cables or converters are necessary. This saves installation and set-up time and, of course money. These are also major advantages in installations where cameras are mounted in difficult-to-access places or where operation would otherwise be interrupted by servicing.

DiBos is available in two main versions. The 19-inch rack-mount version is for larger installations requiring up to 62 video channels (30 analogue and 32 network), up to 42 audio channels (10 analogue and 32 network) and up to 1,600 GB internal storage capacity. The DiBos Micro is a desktop unit (also available for 19-inch rack mounting) for installations that require up to 20 video channels (12 analogue and 8 network), up to 12 audio channels (4 analogue and 8 network) and 400 GB internal storage capacity. Additionally, the DiBos Receiver / IP-Recorder receives alarm images from remote DiBos units or IP network devices over a LAN, ISDN or the public telephone network.

A colour photo is available for download from:

<http://www.bosch-presse.de/TBWebDB/en-US/PressText.cfm?id=2414>

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About Bosch Security Systems

Bosch Security Systems is one of the top 5 world wide suppliers of fire, security and communication equipment and growing fast. It is the largest CCTV manufacturer in Europe and is the only top 5 manufacturer that designs and manufactures its own cameras. It is also a major supplier of Fire, Intruder, Congress, PA and Paging systems.

About Bosch

The Bosch Group is a leading global manufacturer of automotive and industrial technology, consumer goods, and building technology. In fiscal 2004, some 242 000 associates generated sales of 40 billion euros. Set up in Stuttgart in 1886 by Robert Bosch (1861-1942) as "Workshop for Precision Mechanics and Electrical Engineering," the Bosch Group today comprises a manufacturing, sales, and after-sales service network of some

260 subsidiaries and more than 10 000 service centers in over 130 countries.

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