

July 2009

Bosch Divar XF H.264 video recorder passes EN 50121-4:2006

Electro-magnetic emission and immunity certification for use in rail environments

Bosch Security Systems' Divar XF H.264 Hybrid recorder has received EN 50121-4:2006 certification, a requirement in railway environments where electro-magnetic emission and immunity is critical to safe operation of signaling and telecommunication equipment nearby.

This EN standard specifies limits for emission and immunity and provides performance criteria for apparatus that may interfere with other equipment in the railway environment, or that contributes to an increase in the environment's total emissions so that it risks causing Electro-Magnetic Interference (EMI) to equipment outside of the railway system.

"The quality of Bosch technology is well recognised in the rail industry with equipment installed at key transport terminals across the country, including our most recent projects," says Lindsay Brennwald of Bosch Security Systems.

"Bosch understands the importance of meeting transport specific requirements, to the relevant standards are taken into consideration at the start of product research & development. Divar XF H.264 is the latest addition to our CCTV recorder range using the currently preferred H264 compression to reduce storage file sizes by as much as 30%."

The Divar XF has a heavy-duty mechanical design, which includes a special cooling tunnel setup to significantly extend the lifetime of the internal hard disks. In addition, the RAID 4 hard disk bays are mounted on the front of the Divar XF to give easy removal in situations where all recorded video has to be removed in minutes (it also allows easy servicing and/or storage expansion). The unit also supports real-time full resolution video recording (25 fps 4CIF) plus audio on all channels simultaneously.

Besides the new EN 50121-4:2006 certification, the Divar XF has already received the following certifications and approvals for Electro Magnetic Compatibility: USA FCC Part 15, Class B; EU EMC directive 2004/108/EC; Immunity EN50130-4; Emission EN55022 Class B; mains harmonics EN61000-3-2 and voltage fluctuations EN61000-3-3. It has also received the following certifications for safety: USA UL60950-1, EU EN60950-1 and Can CSA C22.2 No. 60950-1.

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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 280,000 associates generated sales of 45.1 billion euros in fiscal 2008. The Bosch Group comprises Robert Bosch GmbH and its more than 300 subsidiaries and regional companies in over 60 countries. If its sales and service partners are included, then Bosch is represented in roughly 150 countries. This worldwide development, manufacturing, and sales network is the foundation for further growth. Each year, Bosch spends more than 3.5 billion euros, or eight percent of its sales revenue, for research and development, and applies for over 3,000 patents worldwide. With all its products and services, Bosch enhances the quality of life by providing solutions which are both innovative and beneficial.

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.