



Esprinet, the Italian leader in B2B IT distribution uses D-Link Video Surveillance solution

50 x DCS-6113



Full HD PoE Day/ Night Fixed Dome Network Camera

34 x DNR-326



2-Bay Professional Network Video Recorder

20 x DVS-310-1



1-Channel H.264 PoE Video Encoder

14 x HDD2TB-HIT



Internal 2 TB Hard Disk

The D-Link Video Surveillance solution installed at Esprinet S.p.A, the Italian leader in B2B distribution of IT products, is an active solution capable of monitoring a wide area, including the main head office, the warehouse and a branch office, even without the need for a human operator, enabling greater security at a lower cost. A system that alerts the administrator whenever something out of the ordinary occurs and provides proof of it, either in real time or retrospectively.

The client

Esprinet S.p.A. operates in the 'business-to-business' distribution of IT and consumer electronics in Italy and Spain, and, with roughly 40,000 client retailers, over 600 brands in its portfolio and a turnover approaching 12 billion euros, the Group is the sector leader in the Italian market.

Thanks to an internet-based sales model that is unique in the sector, Esprinet focuses on the distribution of technology to retailers who serve small-to-medium businesses.

The partner

V.T. SECURITY is D-Link's Partner who installed the D-Link solution, from the initial site visit to the testing; a company specialising in all around security, which is involved in preventive surveillance in industrial estates, public parks and schools, special investigations and monitoring individuals, electronic recovery and file retrieval.

The solution

The D-Link Video Surveillance solution installed at the head office of Esprinet is aimed at protecting buildings and staff, guests and service personnel, by monitoring points of entry to the building, car parks and shuttered entrances, even outside opening hours. The images captured by the surveillance cameras are recorded by the D-Link Network Video Recorders (NVRs) that ensure that events, such as break-ins, theft or acts of vandalism can be reviewed to give a clearer picture of what happened. The electronic monitoring system detects tampering and quickly alerts

the administrators if the network cameras have been redirected, put out of focus, covered up or sprayed.

The project included the installation of 50 D-Link Dome DCS-6113 network cameras fitted with a 2-megapixel progressive CMOS sensor, with H.264 compression, night vision and PoE support, ideal for ceiling mounting, for large spaces and for high definition video monitoring 24/7. Located on three floors in the main building, the DCS-6113s have been positioned close to the main entrances and exits, close to lifts and in corridors, and close to the emergency exits, and have been integrated into the entry alarm system that was already in place, by means of digital inputs/outputs.

Installed for 24/7 monitoring and for the surveillance of the building even outside working hours, the DCS-6113 Full HD Day & Night network cameras have an ICR filter that provides sharp images with a high level of detail, in colour during daylight hours and in shades of grey at night, even in dimly-lit conditions or total darkness. Thanks to the H.264 video compression, high quality MPEG-4 and MJPEG, the DCS-6113 video cameras support simultaneous streaming and enable long recordings with high levels of detail, even over networks with reduced bandwidth.

To transform the old closed-circuit system and achieve an IP-based video surveillance system, it was necessary to integrate the network with 20 H.264 PoE single-channel DVS-310-1 D-Link Video Encoders, to allow the conversion of data flow from the CCTV cameras from analogue to digital, thereby optimising previous investments and reducing the costs of setting up a new system from scratch.

"D-Link NVRs have a web interface that is so simple and intuitive that even IP novices can install them. The installation of each DNR-326 took less than 10 minutes."

— Gianni Perfetti, Technical Manager V.T. SECURITY



Recordings by the 34 two-Bay DNR-326 D-Link Network Video Recorders (NVRs), are in accordance with the Italian law. These NVRs are easy to install and configure, thanks to the intuitive interface from which the entire system can be managed. The highly configurable planning system of the NVRs enables users to choose between continuous recording, or one limited to specific time intervals, for each video camera independently, to configure the compression, resolution and frame rate of all video cameras connected, and to activate recording only when certain events occur.

The NVR device may be configured so that it automatically overwrites older data when the hard disk is full, allowing continuous and uninterrupted recording. Users may specify how many days they wish to keep a recording for (bearing in mind hard disk space and current regulations).

The main control room has been set up at the head office in Vimercate and replicated at the Cambiagio branch to allow the Head of Security to monitor all the premises remotely, consisting of 50 Full HD Dome video cameras and 34 NVRs. A centralised area allows administrators to carry out monitoring while at the same time increasing the efficiency of the system itself; and with the 3GPP mobile surveillance support of D-Link network cameras, it is possible to see images in real time from a mobile device.

From a fixed installation, however, the VSM used is the D-Link D-ViewCam™, a sophisticated freeware software which allows users to manage up to 32 network video cameras, send e-mail alerts, create planned recordings or in the event of motion being detected.

The D-Link Video Surveillance system is an active system that is not limited to just viewing and recording what happens, but is capable of sending the user alert warnings in cases of alarm or danger, which may occur in the monitored areas. The D-Link network cameras have been programmed to react when certain events take place, such as external alarm systems ringing, attempts at tampering, wires



being cut or motion being detected; these events will result in the automatic saving of the footage before and after the event took place, the sending of an alarm signal on the control panel or via email to alert the administrator and/or the activation of mechanical alarms, such as sirens, locks or lights. Monitoring is thereby simplified by facilitating the detection of risky situations and enabling intervention to take place immediately.

Possible developments

The current D-Link Video Surveillance solution guarantees security at Esprinet's main head office, but a further development may be possible using D-Link network cameras to monitor stocks in the warehouse.

Esprinet's Logistics department is largely automated and equipped with highly reliable automatic sorting systems; the D-Link network cameras could help sorters in the stocking process, highlighting any missing packages

"As a D-Link Partner we have been able to test the Company's professional products with the Program Demo, and see for ourselves the reliability and advanced functionality of their Video Surveillance solutions. During the planning phase we had the direct support of D-Link Project Managers and Engineers and a dedicated phone number to ask for immediate technical assistance."

— Gianni Perfetti, Technical Manager V.T. SECURITY



For more information: www.dlink.com

D-Link European Headquarters. D-Link (Europe) Ltd., D-Link House, Abbey Road, Park Royal, London, NW10 7BX. Specifications are subject to change without notice. D-Link is a registered trademark of D-Link Corporation and its overseas subsidiaries. All other trademarks belong to their respective owners. ©2012 D-Link Corporation. All rights reserved. E&OE

D-Link[®]
Building Networks for People