



Paris-Charles de Gaulle airport



Case Study

IP CCTV solution for the new Galerie Parisienne terminal

Controlware Communications has provided an IP CCTV transmission system to Aéroports de Paris Group for the new Galerie Parisienne terminal extension at Charles de Gaulle airport. The IP CCTV solution integrates with the existing Aéroports de Paris surveillance network, and ensures a high level of security is in place to safeguard passengers, airline companies, and partners throughout the new Galerie Parisienne extension.

Aéroports de Paris Group are Europe's second largest airport group, managing 14 airports, and aerodromes including Paris-Orly, Paris-Charles de Gaulle, and Paris-Le Bourget. A record 86.4 million passengers passed through Aéroports de Paris terminals in 2007, an increase of 4.7% on the previous year, ranking Aéroports de Paris number one for traffic growth amongst Europe's three largest airport groups.

Controlware has been working closely with the Direction Informatique et Télécommunications department at Aéroports de Paris since 2003 when they embarked on an ambitious CCTV upgrade programme to improve the level of security throughout their airports. As part of this huge project Controlware was selected to supply codec's that enable video from analogue

cameras to be streamed over IP networks. Controlware has assisted Aéroports de Paris with the evolution and expansion of their surveillance network, supplying codec's that to date support over 5,000 cameras to create one of the largest ever integrated IP CCTV networks in Europe.

"Controlware Networked Video Solutions enable any organisation to benefit from an integrated approach to the management of their security operations by providing a sound basis for future applications and services. The flexibility and scalability of the codec's supplied to Aéroports de Paris provide easy integration with the existing CCTV network. This is especially important in the context of large-scale and evolving projects like Aéroports de Paris." States Carmelo Musumeci, Country Manager for Controlware Continental Europe.

In the face of rising passenger numbers, all airports today face huge challenges. There is the wider economic pressure of increased competition and at the same time they have to manage ever present and constantly evolving security threats. Since airports are highly public environments that operate around the clock the task is not easy. Protecting airports is also made more difficult by their physical size and the diverse nature of businesses that work within them. Airports today are not only focused on passenger transport



alone but multiple business activities such as cargo freight, retail and associated services. This business diversification increases the number of potential threats to the airport making identification and protection much more challenging than ever before.

As the airport authority for the Paris region, security and safety operations are a top priority for Aéroports de Paris. Since 2002 a dedicated security team, independent of the company's operating divisions, guarantees the promotion of a security culture throughout the organization. The security team defines standards and coordinates security policy between public services and airport divisions. This ensures that security is an integral part of all Aéroports de Paris operations over and above compliance with the standards set by the state. Aéroports de Paris is committed to the ongoing improvement of airport systems and extension of advanced security systems to help protect the airports they control.

The Aéroports de Paris IP CCTV solution provides state-of-the-art video surveillance encompassing both airside and passenger areas including: luggage sorting, check in desks, access to restricted areas, ATM cash machines, car parks and perimeter monitoring applications. The integrated IP CCTV system enables Aéroports de Paris operators to access, share, and view live and recorded video from thousands of cameras at



any location on their network and to operate a crisis center that can be used in case of emergencies.

To bring the 600 cameras that monitor the Galerie Parisienne terminal extension onto the existing IP CCTV network, Aéroports de Paris deployed 150 high performance 4-port video codec's. The codec's sit between the coaxial cable network (connected to the cameras) and the Ethernet network, converting the video from analogue cameras to IP for transport across the local or wide area network. Each codec enables live viewing of video at 25 f/s 4CIF. This allows Airport de Paris operators to monitor and control cameras in the Galerie Parisienne at real-time DVD quality. By archiving video at up to 12.5 f/s 4CIF Aéroports de Paris record at a similar quality to real-time video but at a more cost-effective price



point for storage hardware, all the time ensuring no events or alarms are missed.

The new € 645 million Galerie Parisienne extension to terminals 2E and 2F at Charles de Gaulle airport is the largest boarding satellite in France and provides further capacity for both passengers and planes. Since passenger traffic through Charles de Gaulle grew 5.4% to 59.9 million people during 2007, the Galerie Parisienne extension provides much needed additional space. A total of 26 contact aircraft, including 6 giant Airbus A380 planes can be parked simultaneously, enabling an additional 8.5 million passengers to use Charles de Gaulle each year.

"Controlware is proud to continue its successful partnership with Aéroports de Paris and to help ensure high levels of security are maintained throughout the new Galerie Parisienne terminal extension at Charles de Gaulle. The combination of high performance encoding solutions backed up by a proactive service network is crucial for our customers," adds Musumeci.

As a service-orientated organization Controlware prides itself on working closely with customers to successfully deliver even the most complex technical solutions. With more than 27 years experience and a dedicated worldwide service network Controlware helps customers such as Aéroports de Paris Group benefit from the very best high-tech solutions and a level of support that is second to none.

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