Axis at Slovak International Air Fest - SIAF 2014.

The greatest Slovak aviation show is supported by excellent Axis IP cameras.

Organization:
Slovak Aviation Agency

Location:
Slovakia

Industry segment:
Military

Application:
Safety and security

Axis partner:
NetRex s.r.o.

Mission

58 airplanes from 13 countries carefully watched by more than 90,000 spectators. That was the 4th Slovak International Air Fest whose scope puts it among the biggest air festivals in Central Europe. However, the large number of guests at the Sliač air base made the organizers apply rigorous organizational and security measures.

This year, the organizers specifically focused on greater monitoring of people's movements and greater incident resolution. The situation called for the use of a camera system; nevertheless, the need to monitor remote locations without electric power supply and data system connection represented a challenge.

Solution

Therefore, the Slovak Aviation Agency decided to utilize the capabilities of the Axis IP cameras and the well-proven mobile monitoring solution of NetRex.

A total of 9 battery-powered NetRex MVSi 01 systems were deployed at the air force base. The system monitored the entrance gates and other selected locations. The mobile sets featured top quality AXIS P1354-E HDTV Network Cameras designed for 24-hour operation.

Using the mobile Internet, the NetRex Monitor service fed live views and recordings to the organizers' computers and their smart phones. Lower level recordings were stored at remote secure servers and high level recordings were saved on the SD cards inside the cameras.

Result

Thanks to the installed cameras, the organizers comfortably monitored the whole air base. The stored recordings were available to solve potential security incidents, and they shall certainly be useful during the next year's show promotion in the media. The installation's speed and flexibility, and the cost-effective rental further supported the solution's overall benefits.

AXIS®
COMMUNICATIONS

> " The mobile system made by Axis and NetRex has proved its reputation of a quality and reliable solution. I was really pleased by the system's quick installation, its capabilities, and the easy access to both live views and recordings."
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> Dipl. Eng. Milan Konvičný, Chief Executive Officer of MLD SIAF 2014 and Project Manager.

In the name of independence and reliability

The sensitive environment of the military air base without any additional electric power supply and Internet connection, including the event's short time period, made the camera system selection relatively demanding. Based on good credentials, the mobile monitoring system of NetRex was selected. The system proved its qualities in this environment.

"The NetRex MVSi 01 systems feature high-capacity batteries, which support at least 20 hours of operation. They can be charged in only 6 hours. The distribution boxes with accessories and cameras were positioned on easily portable tripods with telescopic legs. If necessary, the equipment may be quickly mounted on a wall or a public lighting pole, which may conveniently provide power supply," says David Capoušek, the manager of NetRex, which designed, sells, and rents this solution. Reliable Internet connection was based on the 3G/EDGE router available in every set. The router also provides Wi-Fi signal coverage for the monitored area.

However, the NetRex does not transmit video only. "The system web interface continuously provides you with information on the equipment actual condition. The integrated GPS unit displays the equipment current location, and it informs you of any potential location changes through SMS or e-mail. The system reports any opening of the distribution box, weak battery condition, line voltage interruption, or potential camera failure to you as well," adds David Capoušek.

The selected AXIS P1354-E Network Cameras have practically proven their benefits a few times already. Their HDTV resolution combined with the Lightfinder technology, which guarantees excellent sensitivity and colours even under very poor light conditions, make these cameras an ideal monitoring tool. Their integrated SD card slot supports high quality and elegant data storage. The mobile Internet connection enabled the transmission of lower resolution data to the NetRex backed-up servers. This recording backup has also facilitated quick searching for specific events.

Rental for any occasion

Besides the system's technical properties, the aviation show organizers have also appreciated the cost-effective possibility of renting this solution. An amount, which represented a meaningless item in the event's budget, was enough to obtain a professional camera system whose complete commissioning and subsequent disassembly took the NetRex technicians only a few hours.

This, together with the possibility of uploading other intelligent applications directly into the camera, opens up numerous possibilities not only in relation to location security, but also during various events and data transmissions. Such an expanded mobile system may then easily transmit data online from your event to YouTube, and it may count your guests or warn you of suspicious people moving at specified locations.