Bosch IP CCTV System in Qassim University Saudi Arabia

BOSCH
Invented for life

Industry:

Education

End User:

Al Qassim University

Qassim University was established in 2004 as a merger of two branches: King Saud University Qassim Branch and Imam University Qassim Branch. Later on the education colleges became part of Qassim University as well.

The main campus is located in the center of Qassim Province and covering 7.8 km². Other campuses are situated in different cities in Qassim.

40,000 students enrolled in Qassim University during 2008. For their support 3500 faculty & staff member are available.

Business Objective:

In 2004, for reasons of improving the general surveillance the university decided to install a CCTV system within the new administration building. Bosch was finally chosen for the installation because they were offering one complete solution from only one source. In order to be more flexible for future expansion by using existing IT infrastructure, it was decided to migrate from analogue to digital recording in 2007. This included the installation of new cameras.

Solution:

Originally, the system consisted of analogue cameras which were connected to the analogue Matrix model LBB 8600 and 1 VCR. With the migration to digital recording the existing analogue VCR is finally replaced with 2 DiBos devices. Additionally, 36 new surveillance cameras (fixed and AutoDome cameras, 200 and 500 Series) are installed: 15 in the faculty of economics, 15 on the faculty of agriculture and 6 in sensitive areas on the campus.

The shift to the IP system finally makes it possible to meet all the requirements of the customer: raise the flexibility for future expansion and have the ability to control cameras from different control rooms and to relocate control rooms to other locations.

Through fibre-optic cables the video and control signals from each camera are transferred to the control rooms. There, using VIP X1600 those signals are converted into IP signals. Finally, all the buildings are linked with each other via LAN so that the signals can be exchanged easily.

Qassim University Saudi Arabia

In the control room of the administration building BVMS software (including 2xDVR Expansion SW to link the two DiBos devices) is installed on the main server. ISCSi is used for recording. The complete monitoring system runs on four client workstations. In each station of the different colleges the pictures of the camera are displayed on one 19" monitor. With the help of 2 client stations, one for VRM cameras and the other one for DiBos, all cameras are displayed on four 19" monitors in the administration building.

Result:

Just by increasing the number of camera licences and linking them with an established LAN from any location, the customer is now able to add any number of cameras in future. Moreover it is now possible to relocate existing control rooms easily by establishing a new network point in a new planned control room in future.

Installed by:

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