

Mardan Palace Hotel, Antalya



BOSCH

Invented for life

Industry:

Lodging

End User:

Mardan Palace Hotel

located on an area of 180,000m² at Lara in Antalya, is the most important touristic investment of AST Group in Turkey. One side of the hotel in "U" shape, as started out with the claim to be the most luxurious hotel in the Mediterranean Region, symbolizes European Side and the other one symbolizes the Asian Side of Istanbul, and consists, in between the two sides, of a swimming pool of 16,000m² symbolizing Bosphorus. The hotel looks like a small Istanbul miniature, with the architecture of Maiden's Tower located just in the center of the pool, sultanate boats floating in the pool, Galata Bridge of DaVinci design connecting the two sides, Dolmabahçe Palace and Kuleli Military High School.

Business Objective:

It was required, the monitoring of the multiple number of cameras to be located at high security risk areas of the hotel having a construction area of about 190,000m², by means of a user friendly interface, and the recordings to be carried on under 7/24 security. One of the most important requests of the user was to minimize the human errors to occur due to the size of the area to be monitored.

Solution:

CCTV system of the hotel has been divided into two parts as environmental and indoor security system. Within the scope of environmental security system, 16 Bosch AutoDome500i series mobile fiber-optics PTZ cameras with 26X optical zoom and AutoTrack characteristics with 13 of them being installed on the security walls of the hotel and 3 on the roof, and 38 each Bosch LTC-0495 night vision cameras to monitor security walls and coastal boundary. The images obtained from a total of 54 analog cameras have been transmitted to control and monitoring center by means of fiber-optic cables, and converted to IP based system by means of 2-channel IP encoders. Within the scope of indoor security system, 240 each cameras of which 3 dome cameras and 237 fixed cameras have been used at service areas, passageways, guest and material entrances, and the images have been transmitted to the center by means of coaxial cables and converted to IP based system by means of 16-channel IP encoders. All the cameras used in the system were in 540 TVL resolution, and for especially environmental security and entrance cameras, it was preferred the cameras providing high image quality even in difficult lighting conditions and having 15 bit DSP and WDR characteristics. Inside the building, together with AutoDome500i and AutoDome 200 cameras, VDC-445, VDC-455 and VDC-495 model colored fixed dome cameras with night vision characteristics and attracting attentions with aesthetic design, have been used. Bosch VIDOS has been used as video management software in the system being capable of recording in MPEG4 format to 24 TB disk face on 4 each iSCSI units directly from camera without using NVR server. It has been used Bosch Intelligent Video Analysis-IVA software on cameras used in the security walls to provide high level of security. By means of IVA,



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when imaginary line passing alarm occurs, it has been provided the dome camera closest to alarm zone to follow automatically the body violating the security. At the same time, it has been provided the images of the alarming fixed camera, the images of the automatically directed dome camera, as well as those of the nearby cameras to be transmitted to the alarm monitor and the system to audible alerting the security personnel in the control and monitoring center. The control keyboard has been used for controlling 2 each DLP and dome cameras of 70" 1400x1050pixel resolution used as the main tracing monitor in the control center.

Result:

By using the present cabling installation, the hybrid IP video security system composed of analog cameras and IP video encoders, the system capable of providing management and monitoring over floor plans, providing high security by use of intelligent video analysis application, providing secure recording medium with the support of RAID5, has been successfully implemented by professional engineers and technical team of Ateksis.

Installer:

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