

Mardan Sports Complex, Antalya



BOSCH

Invented for life

Industry:

Entertainment - Stadium

End User:

Mardan Sports Complex

"Sports" themed hotel, the Mardan Sports Complex, has been built considering entirely the sports groups. The Complex located in Antalya, with these characteristics, is aiming to contribute Antalya to become the new sports center. The facility opened in the year 2008 gathered full points from all local and foreign authorities by hosting the UEFA Under-17 Championship. In the Complex, as identified by UEFA as the Europe's best among the stadiums of under 10,000 people, there exist 2 lit stadiums in UEFA standards (105 x 68m), one for 7,500 people and the other for 1,500 people, 5 tribunes, 8 training courses as well as a covered parking lot for 500 cars and an

Business Objective:

User's main requests have been the providing of surrounding security of the complex of which the accommodation facilities and sports areas having been separated from each other by means of a passageway without leaving any blind point, and providing the security of the sportsmen staying in the complex housing apartments in order to match or camping by not permitting to intervene their private lives in any way. Mardan Sports Complex authorities applied to Ateksis for the designing and establishing the stated system.

Solution:

Ateksis separated the project into two parts as indoor and environmental security, and used 24 Bosch Beam Detectors, 10 analog cameras of AutoDome500i series and 2 analog fixed cameras of the type LTC0495 with night vision on the security walls and fences to provide environmental security. Hence, it was planned the turning of moving cameras towards alarm zone automatically and the tracking automatically the movement causing violation by means of AutoTracking feature. The system has been designed as a hybrid IP video security system composed of analog cameras and IP video encoders. The camera cabling distances being longer than 100m, the video signals coming from cameras via coaxial cables have been transmitted to 5 each collecting points on the area, and converted to IP-based system by means of IP video encoders, and transmitted from there to controlling and monitoring centers by means of fiber-optic cable. 4 AutoDome500i and 18 fixed cameras have been used for monitoring the car entrances, open-field movements in the audience, and sportsmen's housing entrances. 89 fixed and 21 dome cameras in total of 540 TVL resolution have been used for monitoring the stadium entrances, VIP areas and the tribunes in FIFA standards. Shock-resistant cameras have been preferred specifically on stadium entrance and exits, sportsmen passageways and VIP areas, and dome cameras with 36x optical zoom conforming to FIFA standards have been used at tribunes facing to audience. Besides the security center in which all the cameras existing in the system can be tracked and controlled, inside the stadiums, monitoring points capable of showing only the cameras of that stadium have been established for the field commissioners. The recordings in the system have been made directly onto iSCSI disk units, and Bosch VIDOS has been used as video managing



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and tracking software. One of the two tracking monitors of the operators has been used for imaging the site plans having camera icons on them, and the other for the purpose of monitoring the cameras on the 5x5 split-screen. Thus, it was provided the operators to manage easily the whole system over site plans. The recordings are being made onto the disk space of 8 TB in total in the 2 iSCSI disk unit. The screen format of 1 unit DLP of 70" size and 1400x1050 pixel resolution (full screen, 2x2, 3x3, 4x4, 5x5, 7+1, 9+1) having been used as the main tracking monitor in the security office.

Result:

In this project of which the design and installation having been realized by Ateksis, indoor and environment security of sports areas have been provided at the highest level by combined usage of fixed and dome cameras of Bosch having high quality imaging features and the beam detectors on security walls as alarm detectors. Due to long distances among cameras and security center, analog cameras have been used instead of IP cameras, the analog video signals being collected by coaxial cable at certain number of collection points have been converted to IP-based system by means of IP encoders, and transmitted to security center by means of fiber-optic cables, and so, it was provided cost savings in wiring and obtained also the superiorities of IP system. The system has been designed as a system open to expansion as well as open to developments with new software features.

Installer:

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