

BSW partner successfully implements an Integrated IP Surveillance & Access control System at the Indian Institute of Technology, Delhi.

Indian Institute of Technology Delhi is one of the seven Institutes of Technology created as centres of excellence for higher training, research and development in science, engineering and technology in India, the others being at Kanpur, Kharagpur, Madras, Bombay, Guwahati and Roorkee. Established as College of Engineering in 1961, the Institute was later declared an Institution of National Importance under the "Institutes of Technology (Amendment) Act, 1963" and was renamed "Indian Institute of Technology Delhi". It was then accorded the status of a deemed university with powers to decide its own academic policy, to conduct its own examinations, and to award its own degrees.

The campus of the Institute extends to an area of 320 acres. With many topographical features, imaginatively laid out with picturesque landscape, numerous buildings of various nature and stature, and clean and wide roads, the campus presents a spectacle of harmony in architecture and natural beauty.

The Security manager of the campus, a retired Army officer was keen to protect the campus from external threats and also monitor the daily goings-on of the campus.

Though the contracts for the Bharti School of Communication and the Civil Departments were public, a large number of system integrators stayed away from the bidding process as the requirement was for a completely integrated and scalable solution for Surveillance and Access control.



During the Technical rounds of the tender process, the review committee had expressed that the solution had to be both very user friendly as well as have all the advanced features. This was why the RBH-ACTi solution was an instant hit.

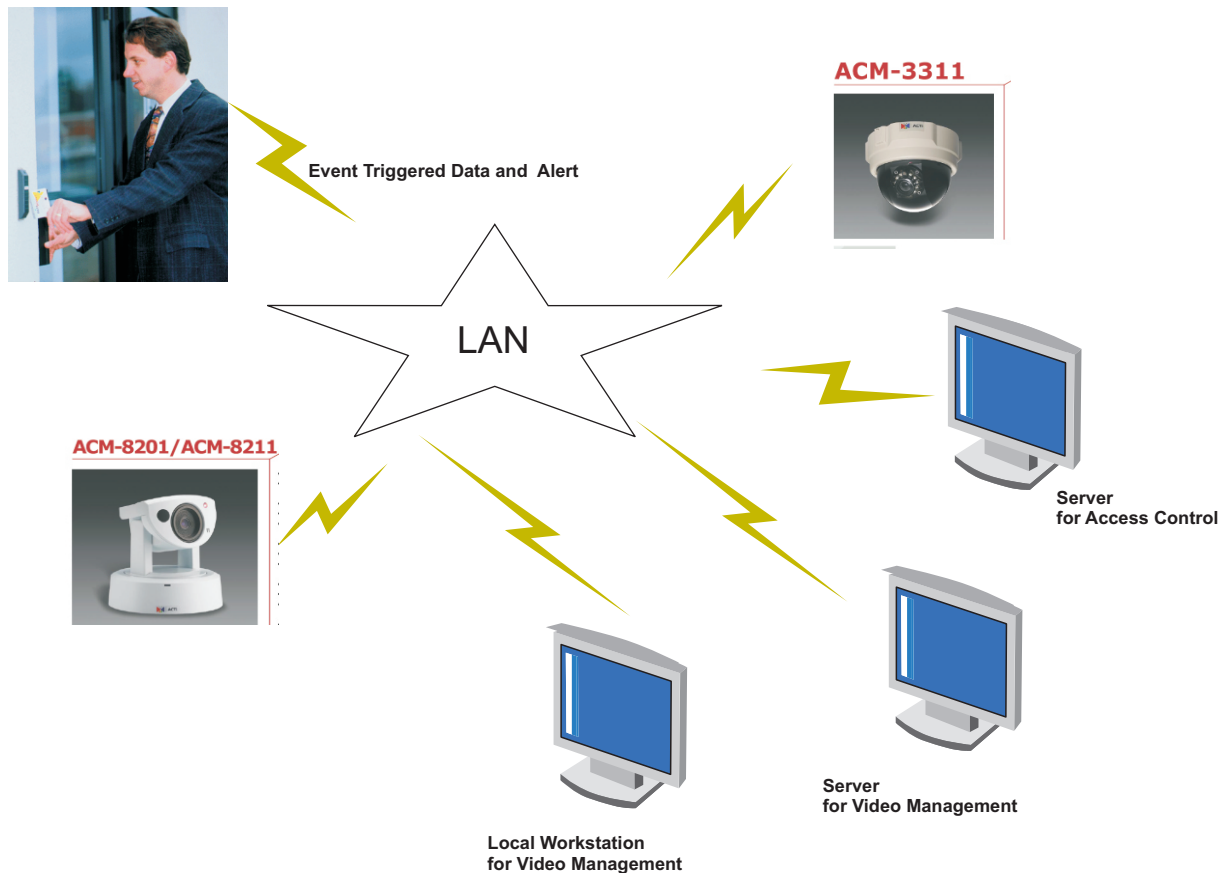
RBH technology allows maximum flexibility while maintaining user reliability and serviceability. IVE is a robust engine that is three dimensionally designed to provide multi-peer level integration and hence the term IVE3. As a result, they are inherently capable of seamless integration with any 3rd party systems, be it a security system such as Access Control System or an Enterprise Resource Planning (ERP) system. By utilizing expertise in the fields of artificial intelligence and content analysis, the offerings include systems that can largely automate monitoring through advanced content analytics algorithms. Similarly, Event-based programming frees the operator from having to painstakingly monitor video from all monitors. Audible alarms notify the operator of important events.

ACTi Corporation is the technology leader in IP surveillance, focusing on multiple security surveillance market segments. ACTi's extensive technology innovations in the development of JPEG/MPEG-4/H. 264 has empowered ACTi's worldwide partners and customers to enjoy best quality video performances from VGA up to Megapixel resolution at minimum bandwidth. In an independent market survey, ACTi was placed 6th in the global list of IP camera companies.

The implemented system consist of the 2 main parts Surveillance and Access control. The Surveillance part is done by the ACTi network camera along with the video management solution from RBH. The cameras chosen for this application were the ACM 3311 indoor IR dome camera and ACM 8211 mega-pixel Pan Tilt camera. The dome cameras were put all around the specified building at all entries and exits. Also the cameras were used to cover the stairwells. The PT camera were used to monitor the hallways, as they were set on pre-defined presets.

The Access Control system Integra32 was setup with various attendance portfolios for entrance to classrooms labs and even to the building. Since the Video Management Solution and the Access Control system were from RBH, there was seamless integration between the 2 facets of security.

One was easily able to pull up records, of what time an entry was made in the Attendance machine and also see the video of the person walking in. This enabled a very secure system on the IIT campus.



About BSW:

BSW Soft Private Limited is a Network based Surveillance solution provider, with proven expertise in IP camera implementation, integration and customized IP based surveillance solution development. Headquartered in Bangalore and with a Sales office at Delhi, BSW strives to provide the best of security solutions to its various customers.

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