

APPLICATION NOTE FOR MULTI-LOCATION

PRODUCT: Matrix Video Surveillance Solutions

CURRENT SCENARIO:

ABC Ltd., a large organization, has its manufacturing facilities in multiple geographies and its distribution offices at various locations. They needed a complete video surveillance solution for the organization to monitor and secure the huge investments it had made in terms of infrastructure, resources and manpower. Apart from enhancing security and safety within the organization, they also wanted a solution that would improve the quality and discipline in the organization.

REQUIREMENTS:

- Ensure employee discipline at all locations
- Ensure all the processes were adhered to in the production cycle
- Centralized monitoring for all facilities based on criticality of events
- Real time knowledge of the events occurring at various facilities with notification
- Security against Intrusion and Vandalism at remote sites
- Ensure safety of employees

WHAT DID THEY DO?

ABC Ltd. installed video surveillance solution of a very well-known brand XYZ. But the solution offered by XYZ encountered following problems:

- **Complex Solution:** Security guard faced difficulties in operating a server for centralized monitoring
- **No Notifications:** Events were not prevented as security guard could not concentrate on monitoring all the cameras 24*7
- **No Event based Search:** Delay in investigation due to wastage of precious time in searching events from footage.
- **No Evidence of Events:** Data was lost when during a theft the hard disk of the recording device was also stolen
- **Camera Status Unknown:** Hazardous chemicals left unattended by employees resulted in casualties and investigation revealed camera was not working
- **High Cost of Storing Data:** To store recordings of all the cameras for 60 days, the storage capacity required was higher than the estimated costs leading to further investments

The ineffective video surveillance solution provided by XYZ, eventually lead ABC Ltd. to Matrix.

APPLICATION DIAGRAM:



MATRIX VIDEO SURVEILLANCE SOLUTION ADVANTAGES:

- **Cascading:** This feature allowed control of up to 20 devices through a single device by master-slave configuration and the output can be taken on any monitor eliminating the need of a server. Everything was pre-configured which made it easy to operate.
- **Event based Notification:** In case of security breach, an SMS and E-mail notification was sent along with a snapshot of the event, minimizing security threat to a great extent
- **Event based Search:** Investigation time reduced by 80% because of the smart filter options
- **Centralized Event based Recording:** Event based snapshot or recording was available on NAS and FTP for investigation in case the recorder or hard disk is tampered with



- **System Health Status:** A single screen with functioning status of cameras and recorders was made available to the IT and security head to ensure that all cameras were in working order and that the hard disk had enough space for storage
- **Priority based Camera Recording Retention.** Different priorities were assigned to different cameras by partitioning the storage space. So, the recordings from high priority cameras were kept for 60 days and others for 30 days.

CONCLUSION:

By shifting to the solution provided by Matrix, ABC Ltd. achieved the following benefits:

- Real-time Security
- Quick Investigation and Decision
- More Control over Remote Offices for Improved Productivity and Discipline
- Reduction in Cost of Server
- Reduction in Cost of Manpower for Managing the Solution
- Reduction in Cost of Storage Device

*Due to continuous technology up-gradation, product specifications and features are subject to change without notice.
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