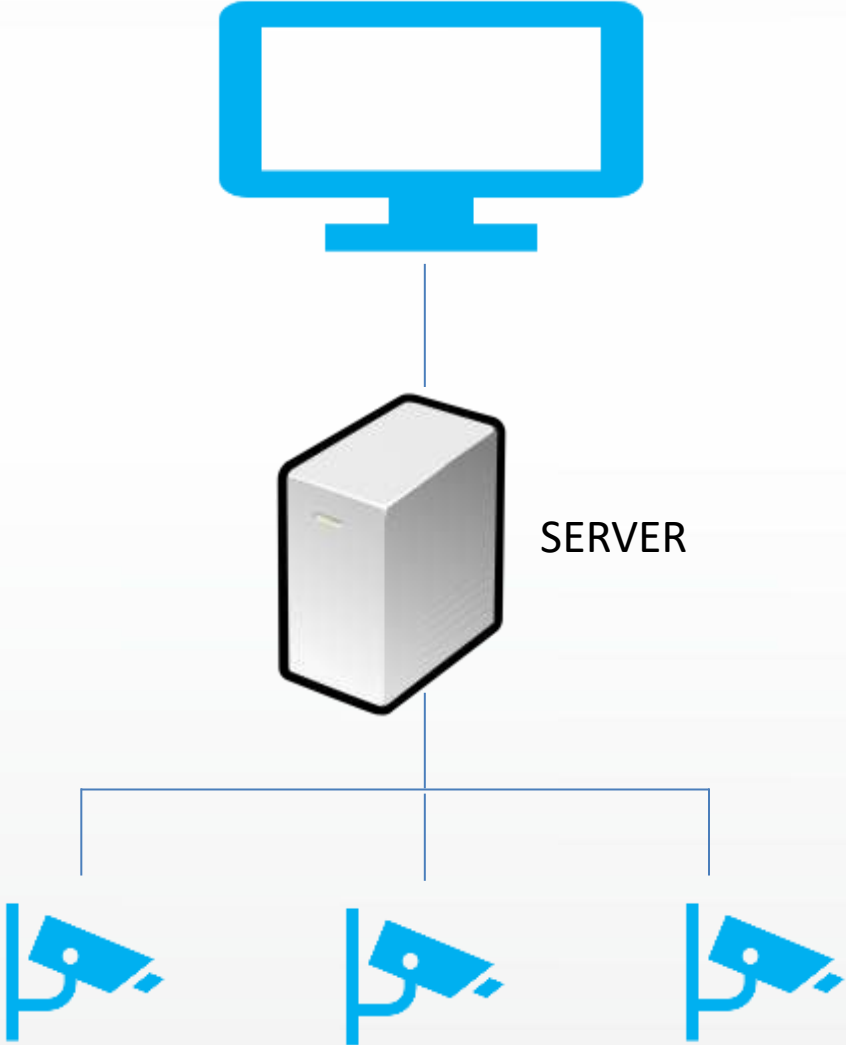
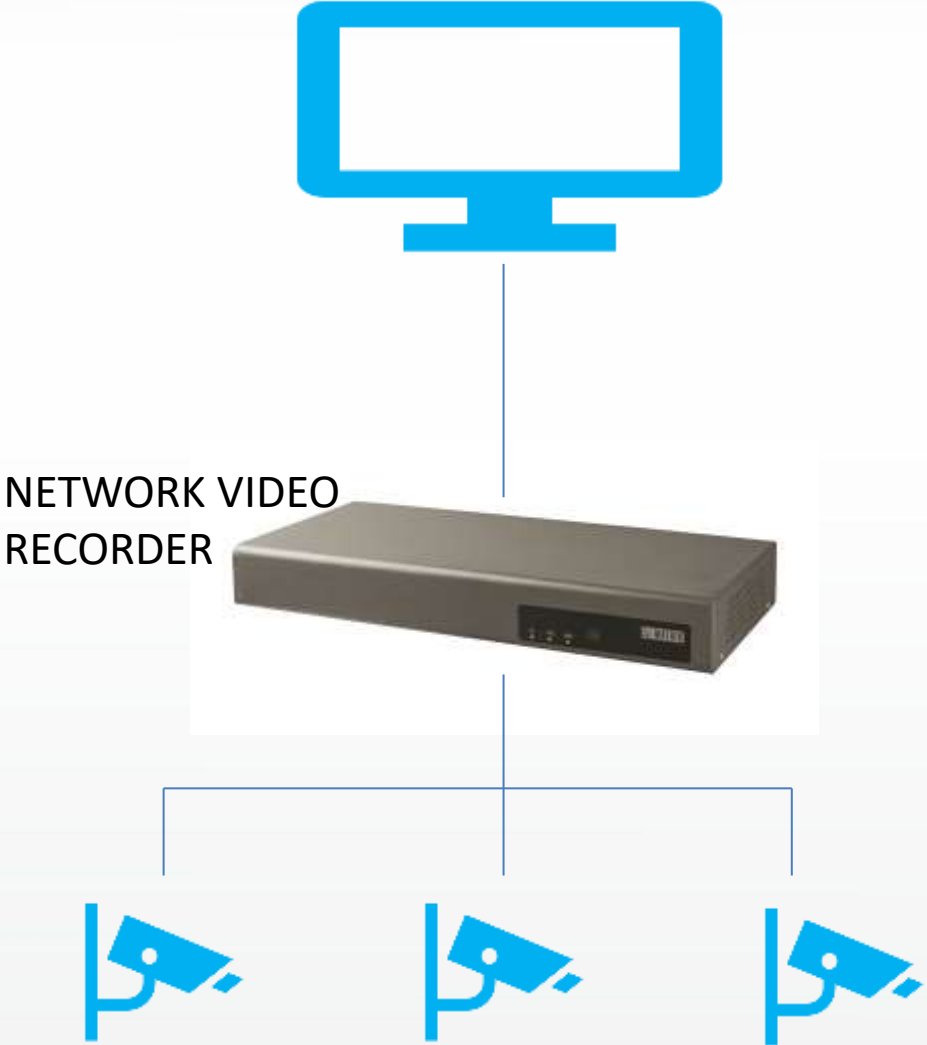


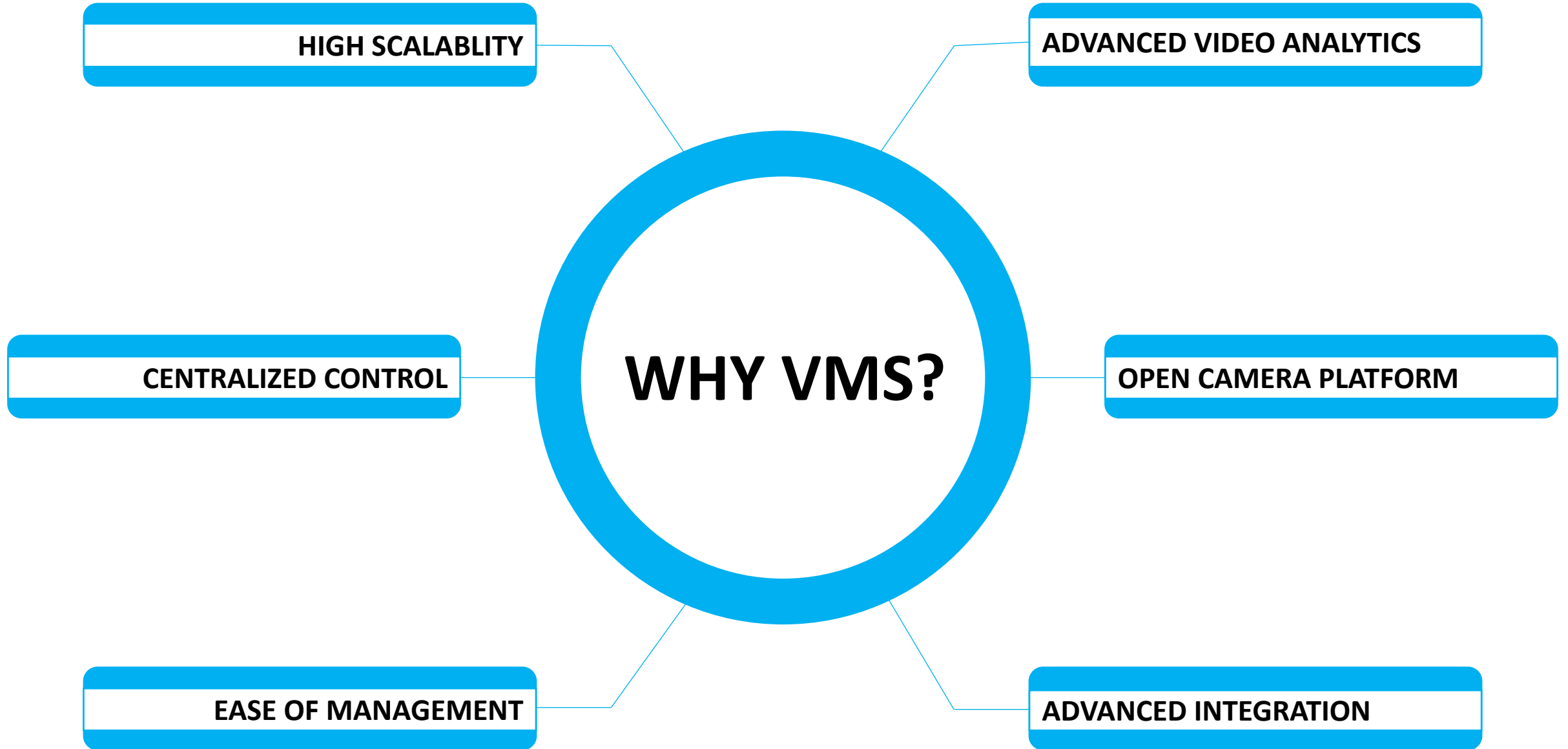


**MATRIX SATATYA SAMAS
VIDEO MANAGEMENT
SOFTWARE**

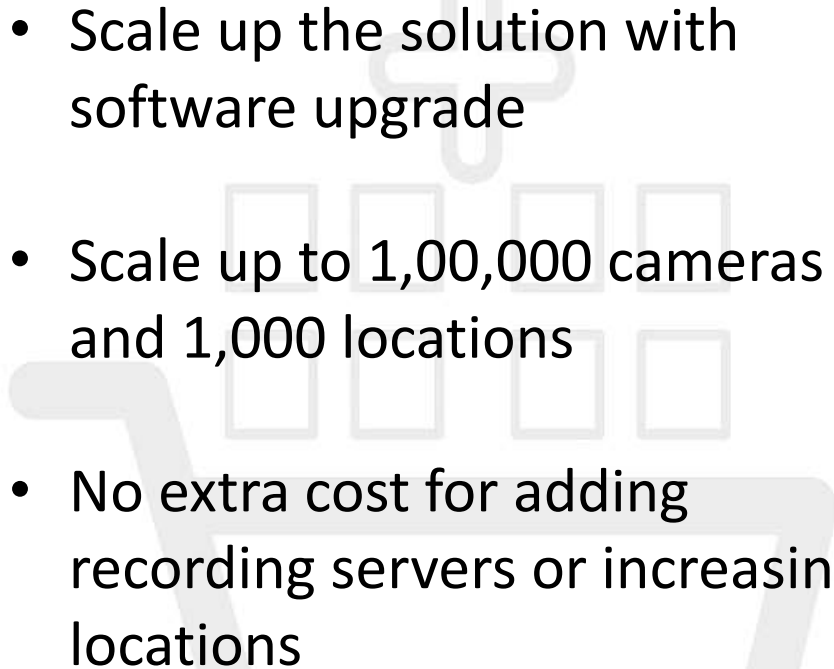
SECURITY

TRADITIONAL VS VMS

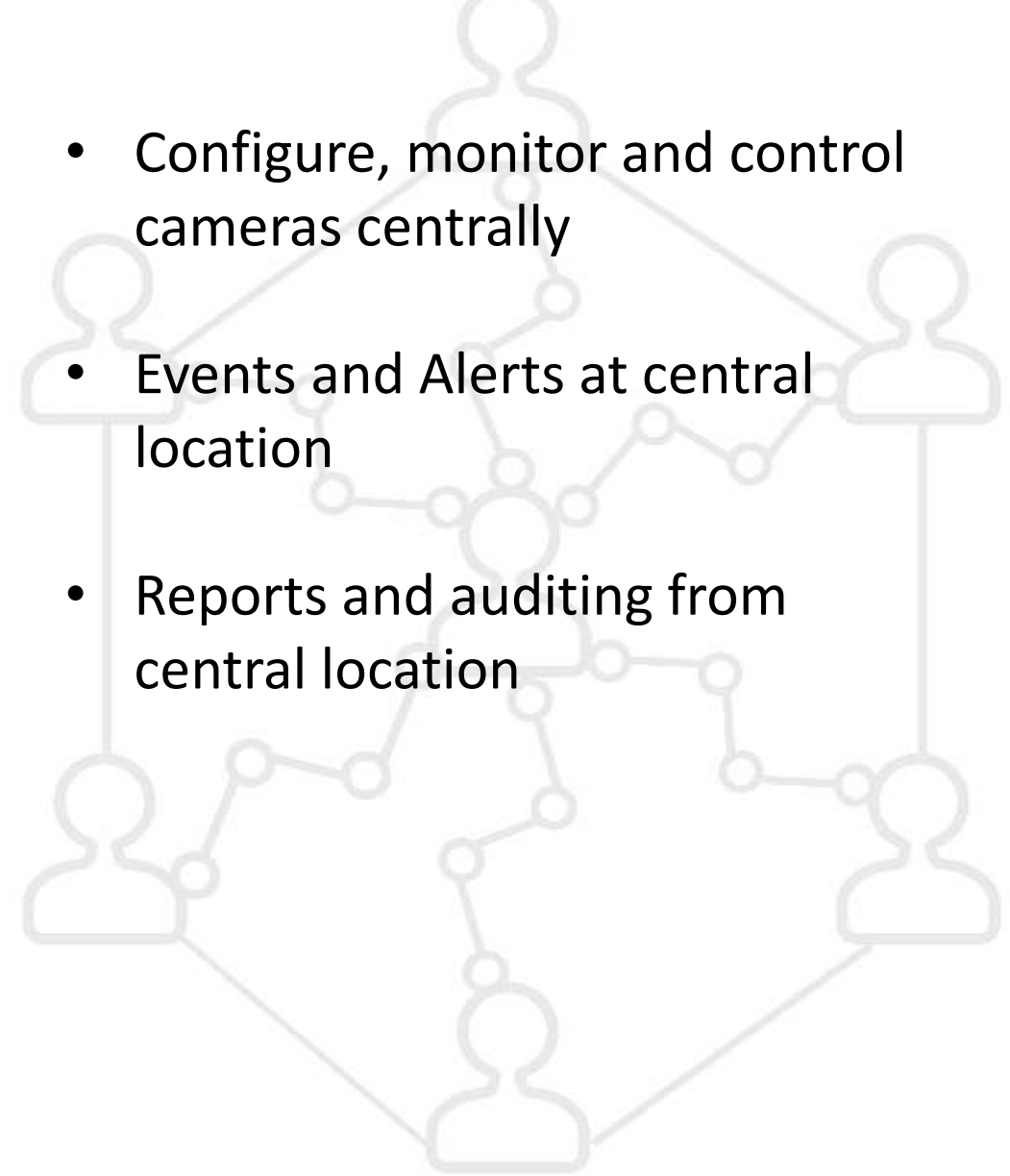




HIGH SCALABILITY

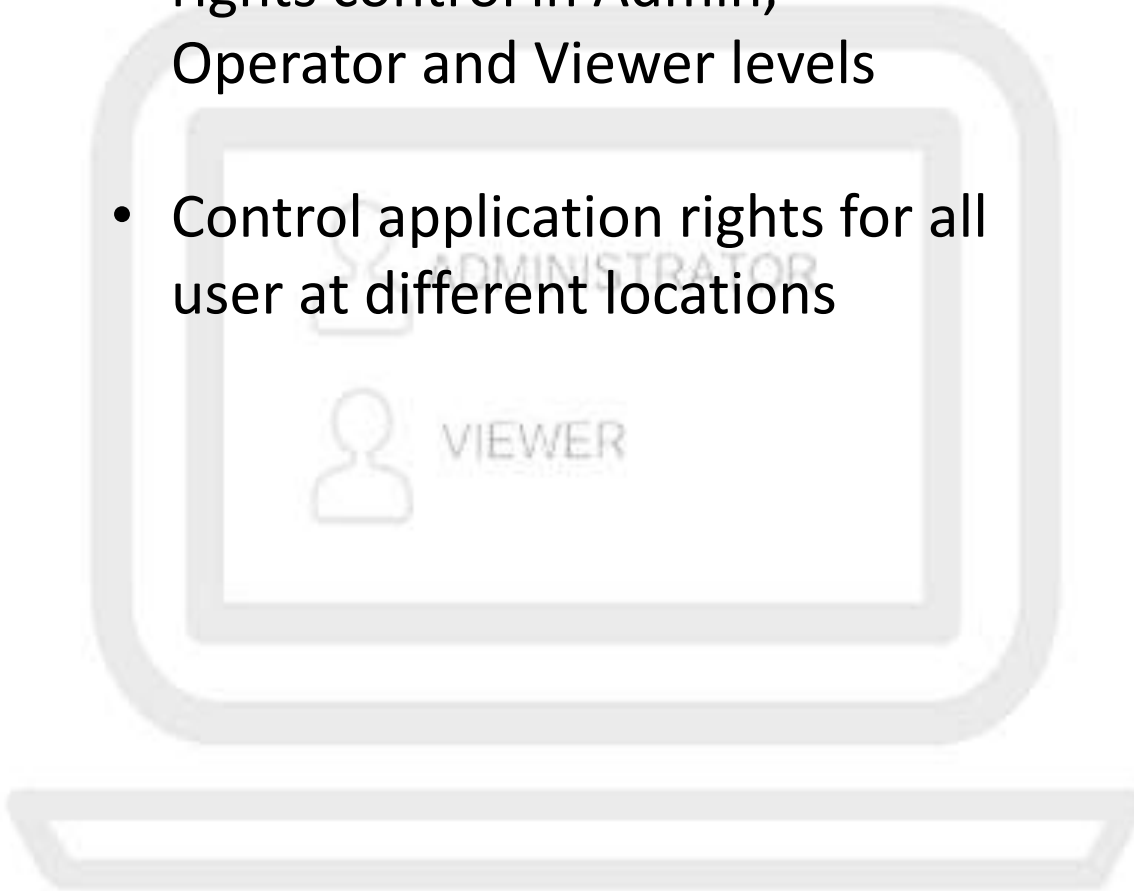
- Scale up the solution with software upgrade
 - Scale up to 1,00,000 cameras and 1,000 locations
 - No extra cost for adding recording servers or increasing locations
- 
- A large, light gray shopping cart icon is positioned in the background of the 'HIGH SCALABILITY' section. The cart is filled with several small, light gray rectangular items, representing a large volume of goods or services.

CENTRALIZED CONTROL

- Configure, monitor and control cameras centrally
 - Events and Alerts at central location
 - Reports and auditing from central location
- 
- A large, light gray network diagram icon is positioned in the background of the 'CENTRALIZED CONTROL' section. It features several stylized human figures connected by lines, representing a central hub-and-spoke or networked control system.

EASE OF MANAGEMENT

- Various user level roles and rights control in Admin, Operator and Viewer levels
- Control application rights for all user at different locations



ADVANCED VIDEO ANALYTICS

- Basic Analytics



Motion detection



Intrusion detection



Loitering



Trip Wire

- Advance Analytics



Face detection



Missing Object



Adaptive Streaming



People Counting

- Parking Management System



Reserved Parking



Improper Parking



Vehicle Counting



No Parking

OPEN CAMERA PLATFORM

- ONVIF camera support
- Brand model support- Axis, Panasonic, Bosch, etc.



INTEGRATED SECURITY SOLUTION

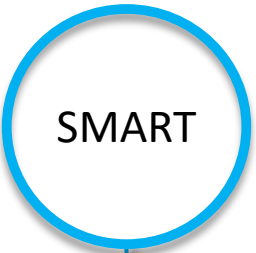
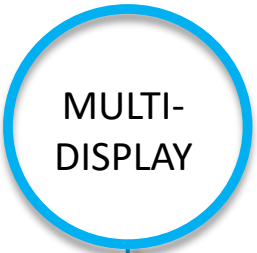
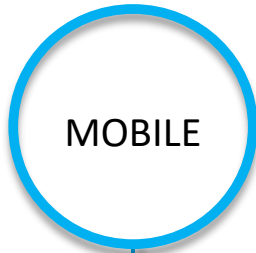
- VMS integration with Access Control Time Attendance
- VMS integration with Weighbridge solution
- Third party integration using VMS API





ARCHITECTURE AND DEPLOYMENT

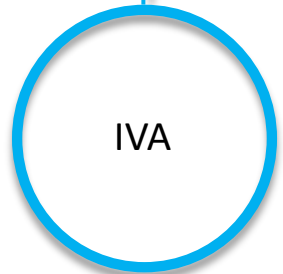
SECURITY



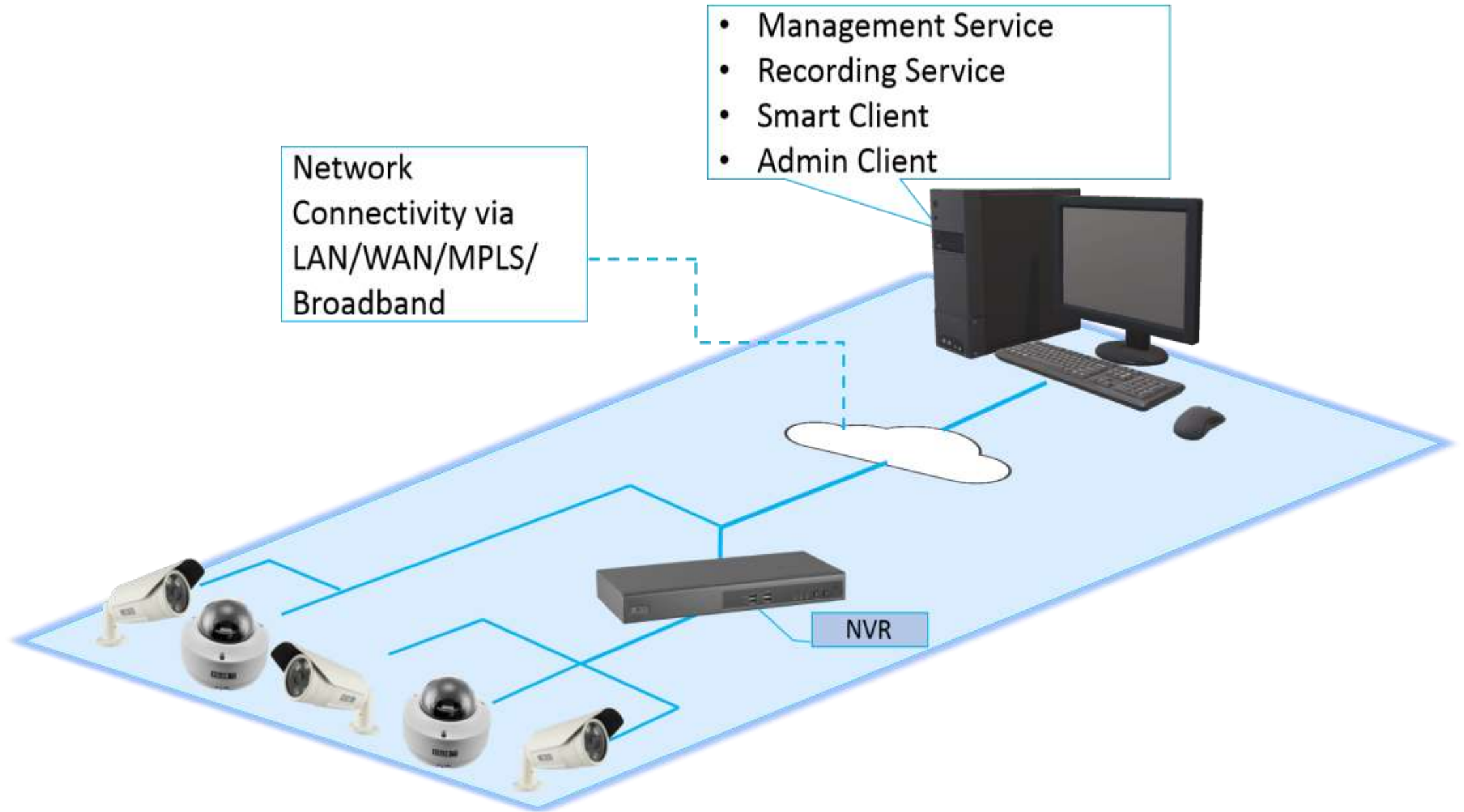
CLIENT

MATRIX VMS

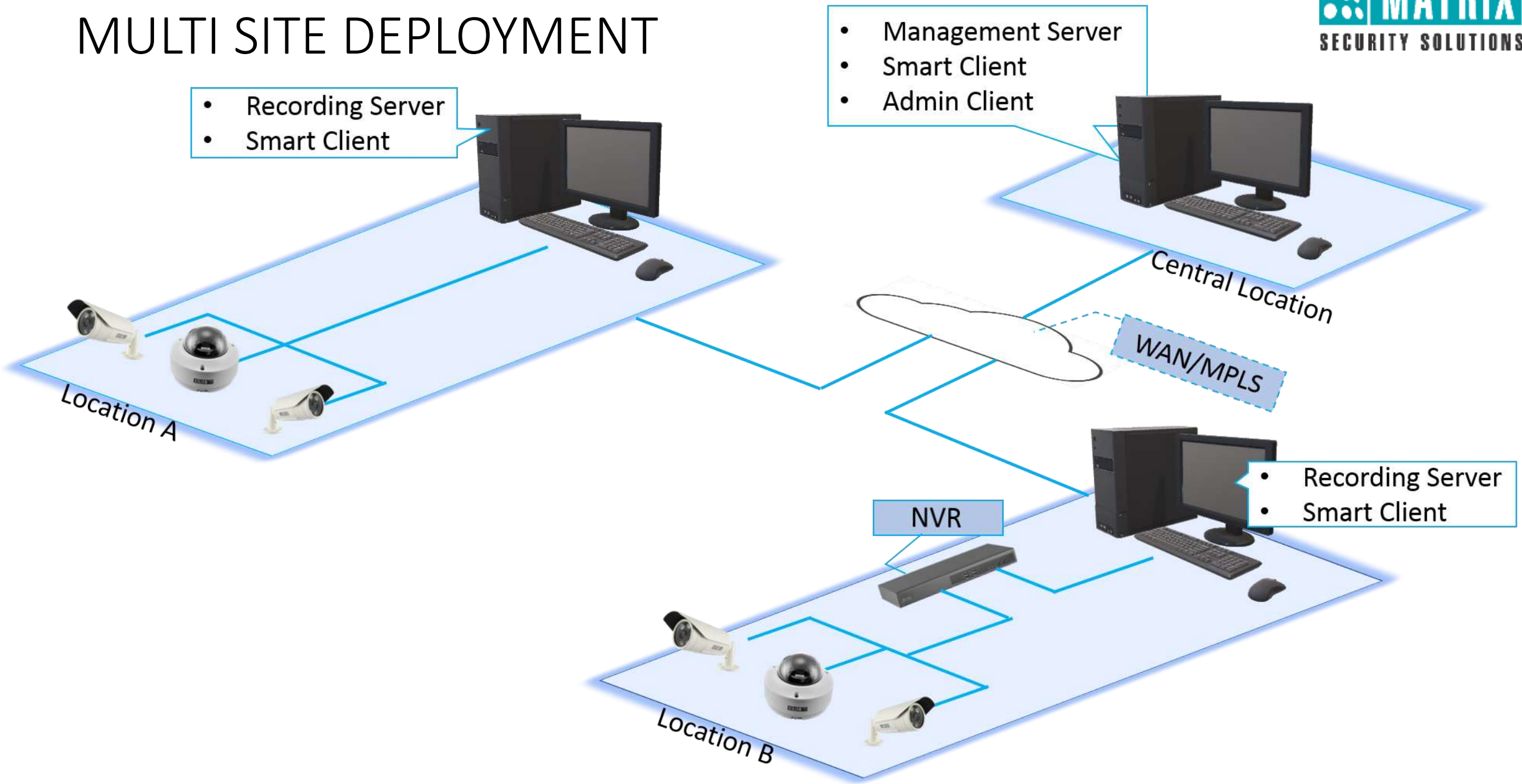
SERVICES



SINGLE SITE DEPLOYMENT



MULTI SITE DEPLOYMENT



VMS LICENSE STRUCTURE

| CATEGORY | | SATATYA SAMAS PLATFORM | | |
|--------------------------------------|-------------------------|----------------------------|----------|----------------------|
| Default Number of Cameras | | 5 | | |
| Maximum Camera Supported | | 65,535 | | |
| Default Number of Simultaneous Users | | 1 | | |
| Maximum Simultaneous Users | | 1,000 | | |
| Maximum Number of Cameras per Server | | 255 | | |
| Devices per Management Server | | 10,000 | | |
| SAMAS ADDITIONAL MODULES | | | | |
| Parking Management Module | Crowd Management Module | Access Control Integration | Live IVA | Multi-Display Module |



KEY BENEFITS

SECURITY

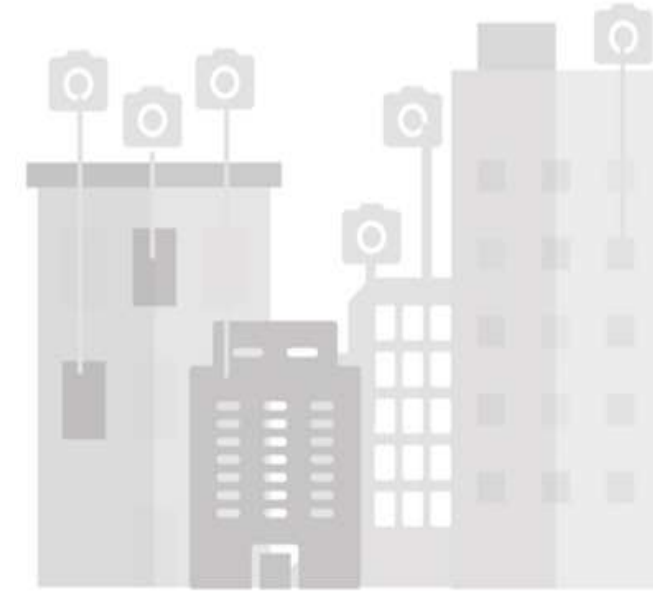
CENTRALIZED CONTROL AND MANAGEMENT



E-MAP MONITORING



SEQUENCING/
CAMERA GROUPING



DAILY HIGHLIGHTS



USER DEFINED
ROLES



E-MAP MONITORING

- Monitor the actual entity such as camera, device, access control device, etc., placed on the JPEG map with notification based video pop-up
- Provides centralized control of all entities with simplified and effective monitoring of all cameras



DAILY HIGHLIGHTS

- Highlights of all the major activities occurring in a day for quick playback
- A recap of all the events of the entire day
- Flexibility to go through a particular type of highlight at once, for example, Motion Detection



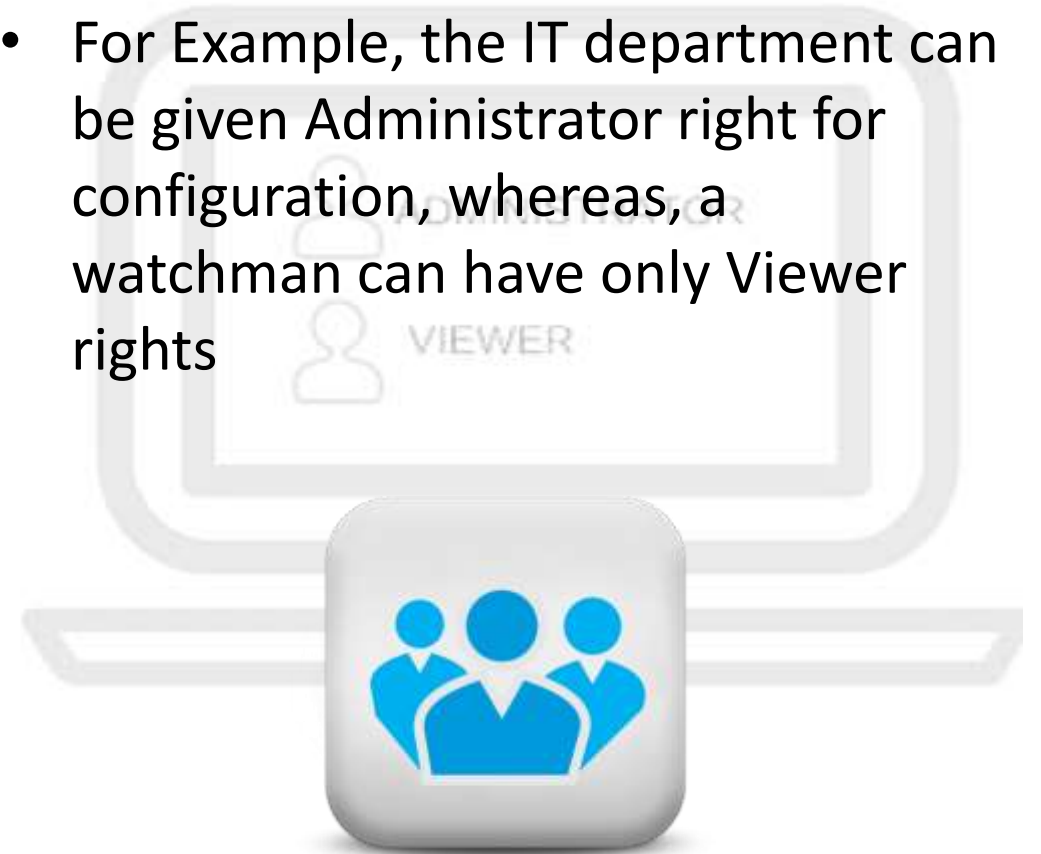
SEQUENCING/ CAMERA GROUPING

- Group cameras of interest together & sequence for effective monitoring
- For example, group cameras area wise: cafeteria, server rooms, administration, etc
- This can be further extended to group the cameras of a particular location as well



USER DEFINED ROLES

- Three authorization access levels for users: Administrator, Operator and Viewer
- For Example, the IT department can be given Administrator right for configuration, whereas, a watchman can have only Viewer rights



DATA SECURITY



EVIDENCE LOCK



REDUNDANCY



SCHEDULED BACKUP



HEALTH STATUS REPORTS



EVIDENCE LOCK

- Safeguards the evidence for infinite time
- Aides in investigating the burglary



SCHEDULED BACKUP

- Set timely backup schedule for all the data files over USB, NAS
- Save time and effort of manually emptying storage devices
- Set backup retention days, option to delete audio or retaining only i-frames for providing more storage space



REDUNDANCY

- In case of break down of recording server, the recording process will shift to other redundant server
- Makes sure of continuous functioning of recording services ensuring no loss of data
- Store on NAS for better redundancy



HEALTH STATUS REPORTS*

- Centrally manage the functioning status of all cameras and devices from one place
- Removes the inconvenience of checking each camera and device separately
- Set corrective action to give proactive support
- Automatic reports for better auditing



INTEGRATED SECURITY SOLUTION – Weigh Bridge

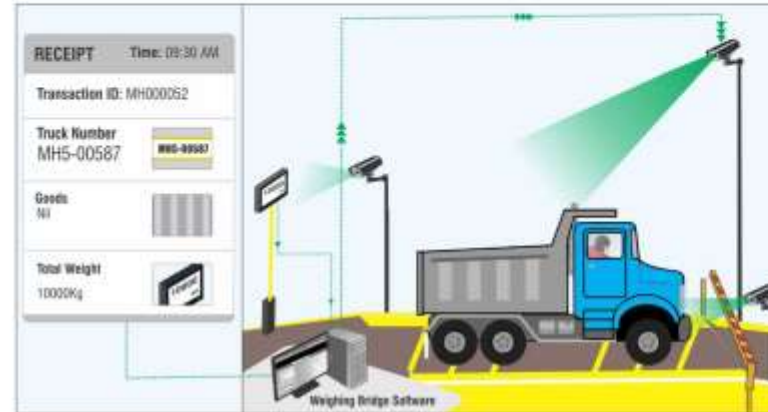


INTEGRATION

Supports integration with Weigh Bridge for evidence management.

Weigh Bridge Integration with Matrix IP Video Surveillance

Before Loading



After Loading



INTEGRATED SECURITY SOLUTION – Access Control



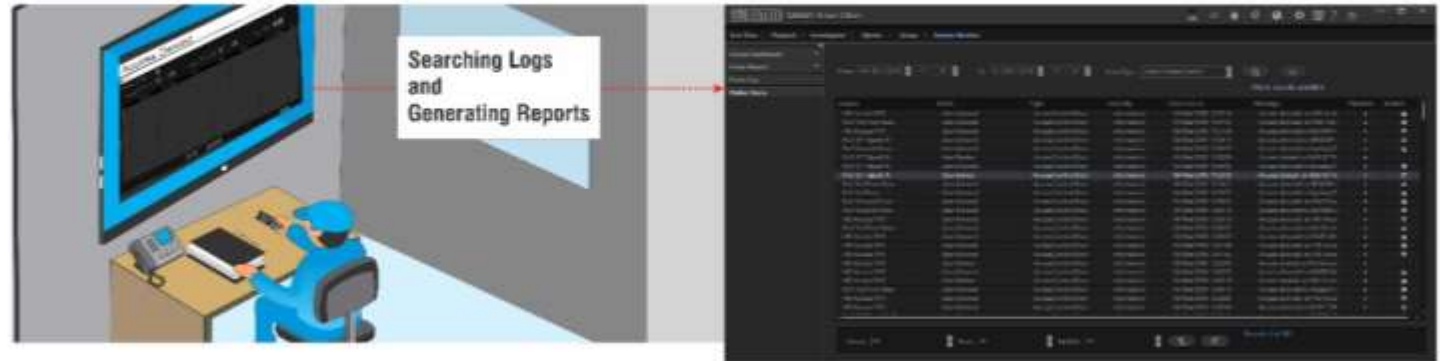
INTEGRATION

Supports integration with
Access Control

ACCESS GRANTED FROM SECURITY



GENERATE REPORTS OF 'ACCESS DENIED'



INTEGRATED SECURITY SOLUTION – Other Systems.



INTEGRATION

Supports integration with other systems such as Fire Alarm, POS, Boom Barrier and Toll Booth.



INTEROPERABLE SECURITY SOLUTION



INTEROPERABILITY

A common platform for varying brands of camera. All ONVIF, RTP or RTSP compliant cameras can be connected to Matrix devices and VMS to meet the exact requirements

DIFFICULTY MANAGING DIFFERENT SURVEILLANCE SYSTEMS AT DIFFERENT FACTORY UNITS?

GENERAL



MATRIX SATATYA SAMAS



REAL TIME NOTIFICATIONS



EMAIL WITH SNAPSHOT



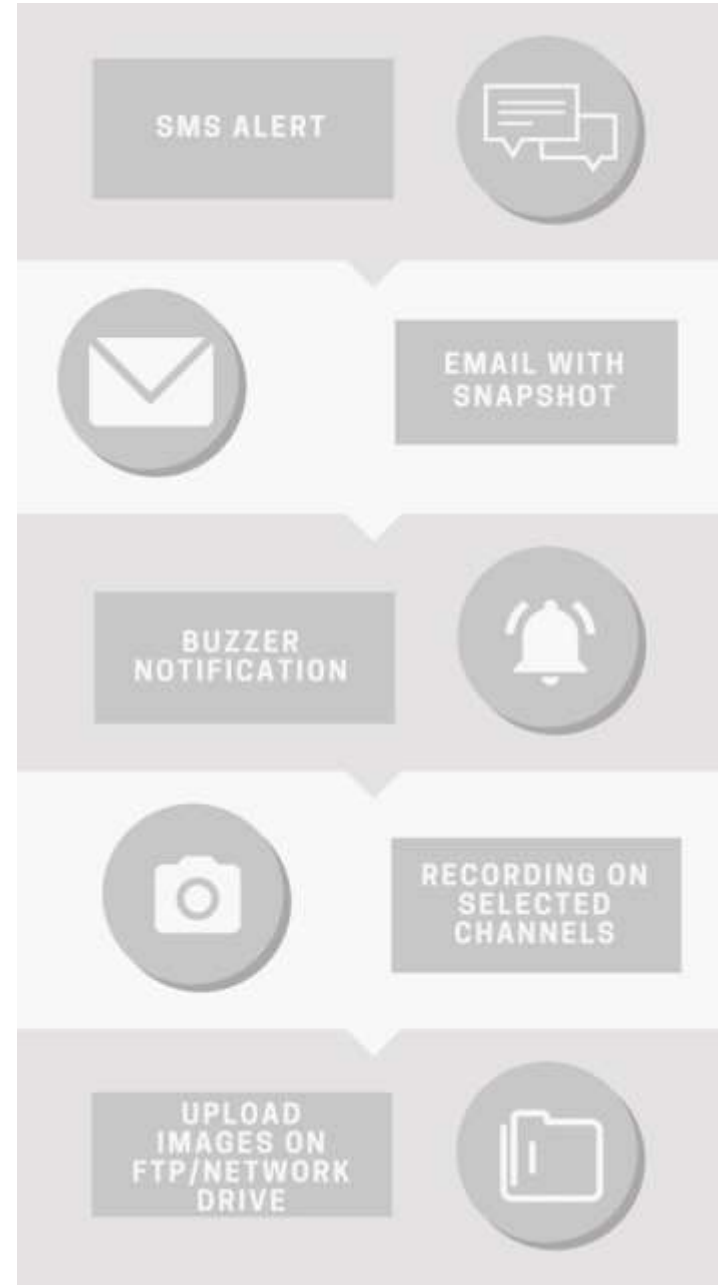
SMS



VIDEO POP-UP



AUDIO ALARM AND BUZZER



LOW COST OF SOLUTION:OPTIMIZED STORAGE



CAMERA-WISE
RECORDING RETENTION



TWO LEVEL DATA
COMPRESSION



ADAPTIVE RECORDING



CAMERA-WISE RECORDING RETENTION

- Cameras of higher priority like server room can be stored for more number of days (60DAYS)
- Cameras with low importance like canteen can be stored for lower number of days (5 DAYS)
- Reduces storage up to 20-40%



ADAPTIVE RECORDING

- Automatic frame rate reduction during no activity period
- Achieves optimized storage on HDD UPTO 40%
- For example, for recording 24hrs activity, ordinary storage requirement is 20GB. With Adaptive Recording it gets reduced to 14GB.



LOW COST OF SOLUTION:OPTIMIZED BANDWIDTH



EDGE RECORDING



NO PUBLIC IP REQUIRED



MULTI-STREAMING



EDGE RECORDING

- Video is recorded at a local location i.e. device or camera but playback, monitoring and management can happen centrally.
- Three options for central storage based on available bandwidth- High, Moderate and Low.



NO PUBLIC IP REQUIRED

- All devices send data to central location. No static public IP required for every video recorder.
- Saves reoccurring cost of generating public IP.



PARKING MANAGEMENT SOLUTION



LICENSE PLATE RECOGNITION



PREMISE AVAILABILITY



IMPROPER PARKING



UNAUTHORIZED PARKING



PROHIBITED PARKING



VEHICLE COUNTING



PARKING MANAGEMENT SOLUTION



WRONG WAY



VEHICLE OVERSTAY



PARKING AFTER CLOSING HOURS



TAIL-GATING



MOST/ LEAST VISITED



MOST/ LEAST OCCUPIED



CROWD MANAGEMENT SOLUTION



FACE DETECTION



MOTION DETECTION



PEOPLE COUNTING



LOITERING



NO MOTION DETECTION



INTRUSION DETECTION



PREVENTIVE SECURITY



TRIP WIRE



MISSING OBJECT



TAIL-GAITING



AUDIO EXCEPTION



Click on the icon to view attached images

OUR CUSTOMERS



OUR CUSTOMERS



Rajshree Sugars & Chemicals Limited



NEELKANTH
Building Trust Since 1938

Formerly Known as:
Velji Harkha Patel & Sons.



Shriram
Properties

Homes that live in you



JAIN DAIRY
Trusted name since 1988

dnata

OUR CUSTOMERS



BALAJI FORMALIN PVT. LTD.



SGI Corp

OUR CUSTOMERS



CASE STUDY

Parekh Integrated Services Adopts Matrix Video Management Software For Centralized Monitoring And Management

Business Challenge:

- Difficulty in managing different brands.
- High cost of operation.
- Availability of Low Bandwidth.
- Occupancy Control

Products Offered:

- SATATYA SAMAS GE PLATFORM
- SATATYA SAMAS CAM20
- SATATYA SAMAS CROWD MANAGEMENT CAM5



CASE STUDY

Parekh Integrated Services Adopts Matrix Video Management Software For Centralized Monitoring And Management.

Matrix Solution:

- Matrix provided Video Management Software (VMS) as a centralized platform to monitor and manage all the cameras from a central location on a single platform.
- Using Matrix VMS Solution, PISPL enabled the centralized schedule backup at an even lower bandwidth from all locations to the central location.
- All the entry/exit points were covered with a camera to count number of heads passing through the points. From central control room, using Matrix Smart Client, security can monitor the total occupancy of an area and instruct the team accordingly.

CASE STUDY

Rajshree Sugar Implements Matrix Video Surveillance Solution To Automate Material Management System.

Business Challenge:

- Difficulty in managing inflow/outflow of raw material.
- High cost of operation.
- Multi-location operation.

Products Offered:

- SATATYA GE PLATFORM
- LPR CAM 3
- SATATYA CIBR13FL40CW
- SATATYA CIBR20VL12CWP
- SATATYA HVR1624P



CASE STUDY

Rajshree Sugar Implements Matrix Video Surveillance Solution To Automate Material Management System.

Matrix Solution:

- Matrix provided Video Surveillance Solution as a single interface to connect Weighbridge, SAP and Video Management Software to work in sync and function as an Evidence Management System.
- 2MP Cameras were installed to capture every vehicle entering the premises.
- Three 1.3MP Cameras were connected to cover the weighbridge area when vehicle came on the platform. It captures face of the driver, material loaded and number plate of vehicle. All these Cameras are directly connected to the main VMS Server.

CONTACT US

For further information:

Call: +91 265 2630555

E-mail: Customer.Care@MatrixComSec.com

Visit: www.MatrixVideoSurveillance.com

For Updates:

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 **MATRIX**
SECURITY SOLUTIONS

THANK YOU

SECURITY