

NETWORK VIDEO RECORDER

MATRIX SATATYA

3 Dimensional Security: Persistent, Proficient & Preventive



NETWORK VIDEO RECORDER

Video surveillance is an integral and critical part of any organization's security strategy. Organizations expect 24x7 live monitoring and tracking of events, which involves huge bandwidth and storage costs. Most of the video surveillance solutions in the market today fail in addressing these key issues. Moreover, difficulty in management and absence of instant notifications lead to a passive solution. Proactive solution, bandwidth and storage optimization, ease of management and reliability are the hallmarks for selecting a professional video surveillance solution.

Presenting Matrix SATATYA NVR – a reliable IP Video Surveillance solution for centralized surveillance management which helps reduce server, bandwidth and storage costs by 50%. The system is well equipped with latest functionalities for instant notifications, integration and feature rich Centralized Management Software, Web Client and Mobile Application that today's security sensitive organizations require for remote and instant management. This thoroughly engineered NVR is highly efficient in strengthening security and increasing productivity and discipline in an organization.

Matrix NVRs are used in enterprises that have either a single branch or branches at multiple locations. SATATYA NVRs provide them with three dimensional security that is persistent, proficient and preventive.



SATATYA NVR SOLUTION



NVRs • CMS • Web Client • Mobile Application • IP Cameras

WHY MATRIX SATATYA NVRS ARE THE BEST-IN-CLASS ENTERPRISE-GRADE NVRS?

Matrix SATATYA NVRs are designed considering the challenges in the video surveillance market like high bandwidth, storage, difficulty in management of multiple cameras & integration. Below is the list of our salient features which not only help in safeguarding an organization from security vulnerabilities, but also help provide them with high return on investments by reducing their solution cost and improving productivity.

PROBLEM AREA	MATRIX SATATYA NVR KEY FEATURES
Difficulty in Adding Cameras	<ul style="list-style-type: none"> • Auto Configuration of Cameras • Universal Plug n Play (UPnP)
Compromise in Image Quality	<ul style="list-style-type: none"> • Up to 5MP Image Quality • Higher Throughput
Recurring Bandwidth Cost	<ul style="list-style-type: none"> • CBR and VBR • Dual Streaming for Viewing & Recording
Complexity of Monitoring	<ul style="list-style-type: none"> • Cascading • E-Map
High Storage Cost	<ul style="list-style-type: none"> • Adaptive Recording • Camera-wise Recording Retention
Time Consuming Search and Playback	<ul style="list-style-type: none"> • Timeline based Search • Synchronous & Asynchronous Playback
Reactive Security	<ul style="list-style-type: none"> • Calling from Mobile App • SMS/Email with Snapshot
Insecure Data	<ul style="list-style-type: none"> • User Management • IP & MAC based User Access
Disparate Solutions	<ul style="list-style-type: none"> • Database Level Integration with Access Control • Integration with Third Party Sensors
Network	<ul style="list-style-type: none"> • Matrix DNS • 3G Connectivity

EASE OF ADDING CAMERAS

Save Time in Configuration

- **IMPROVE PRODUCTIVITY**
- **SIMPLE, EASY AND QUICK NVR INSTALLATION**

Auto-Configuration of Cameras

SATATYA NVRs automatically configure and add cameras, in a pre-defined IP range and helps save time on configuration, thereby improving productivity.

Universal Plug n Play (UPnP)

Universal Plug n Play (UPnP) is a set of networking protocols permitting networked devices to discover each other for data sharing and communication. Using UPnP, SATATYA NVRs can detect and add IP cameras automatically, making NVR installation simple and quick.

RECORDING

Smart Recording with High Image Quality

- **HIGHER IMAGE QUALITY**
- **QUICK INVESTIGATION**
- **ENSURE PREVENTIVE SECURITY**

Recording up to 5MP

Higher resolution increases clarity and brings out details in the images making it easy for users to identify and respond faster. The SATATYA NVRs offer a combination of high frame rates and up to 4MP resolution, optimizing image quality.

Higher Throughput*

SATATYA NVRs have two gigabit Ethernet ports for distributing network traffic. These two Ethernet ports ensure smooth and continuous viewing even during high activity period by sharing the network load. Moreover, IP cameras from two different networks can be added to the same SATATYA NVR.

Smart Recording for Faster Search

SATATYA NVRs offer various recording options including manual, scheduled and event based. Pre-event and post-event (motion, tamper, connection failure and others) ensures recording of an entire event. These efficient options help in quick investigation of an event.

Two-way Audio

Two-way Audio provides provision of recording audio through a microphone connected to the camera along with addressing a crowd through speakers connected to the camera. This helps capture sound evidence as well as broadcasting public announcements when quick actions, such as evacuation, are to be taken.

Privacy Masking*

At times, it is necessary to block certain areas of an image for privacy reasons. Depending on camera angle, user can define certain areas as privacy masks. SATATYA NVR replaces live images with a black coloured patch before recording or streaming.

Motion Detection*

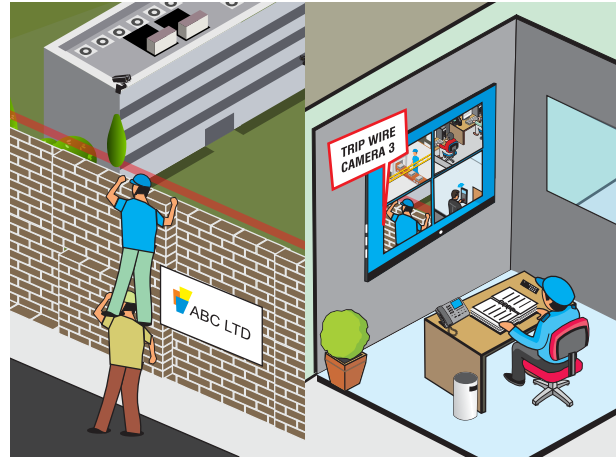
Motion Detection allows NVR to start recording only when motion is detected in the pre-defined area of a camera. Motion Detection can generate an alert and initiate pre and post event recording, leading to preventive security.

Intrusion Detection*

Intrusion Detection allows NVR to give alerts and notifications on entry or exit from a high security or dangerous area. Notifications are in the form of SMS, Email, video pop-up, audio, alarm, etc. For example, in car parking areas you can define entry and exit areas. If a person tries to enter from the exit point or vice versa, a notification will be sent to the respective authority.

Trip Wire*

Trip Wire allows NVR to give alerts and notifications on identification of any motion over a virtual line. Notifications are in the form of SMS, Email, Video Pop-up, Audio, Alarm, etc.



BANDWIDTH OPTIMIZATION

Optimally use available bandwidth

- **REDUCE RECURRING BANDWIDTH COST**
- **UNINTERRUPTED VIDEO DURING REMOTE VIEW**

Video Compression Formats

Built-on H.264/MPEG-4/Motion JPEG compression standards, SATATYA NVRs reduce the amount of bandwidth required to transmit data and the memory to store videos. This reduces overall network and storage costs and increases effectiveness without compromising on image quality during recording and playback.

Dual Streaming

Matrix SATATYA NVRs can stream a video in two different resolutions depending on the available bandwidth. A higher resolution stream called the mainstream is used for recording, while lower resolution stream called the sub-stream is used for remote monitoring from Mobile and Web Client. This dual streaming functionality helps in efficiently managing the available bandwidth with smooth remote viewing even at low internet speed.

Configurable Bit Rate (CBR and VBR)

Bandwidth is always a scarce resource. Matrix SATATYA NVRs come with the flexibility to record at a constant or variable bit rate. With constant bit rate camera records at a constant bit rate regardless of motion while with variable bit rate a camera records at a higher bit rate only during motion. Hence, this allows admin to manage the bandwidth within a given range with higher frame rate and better image quality.

*Feature is supported if it is supported by the installed IP camera.

MONITORING

Flexibility for Vigilant Monitoring

- EASE OF MONITORING & MANAGEMENT
- MONITOR MULTIPLE NVRs WITHOUT SERVER
- FUNCTIONAL STATUS OF ALL DEVICES WITHIN 5KBPS

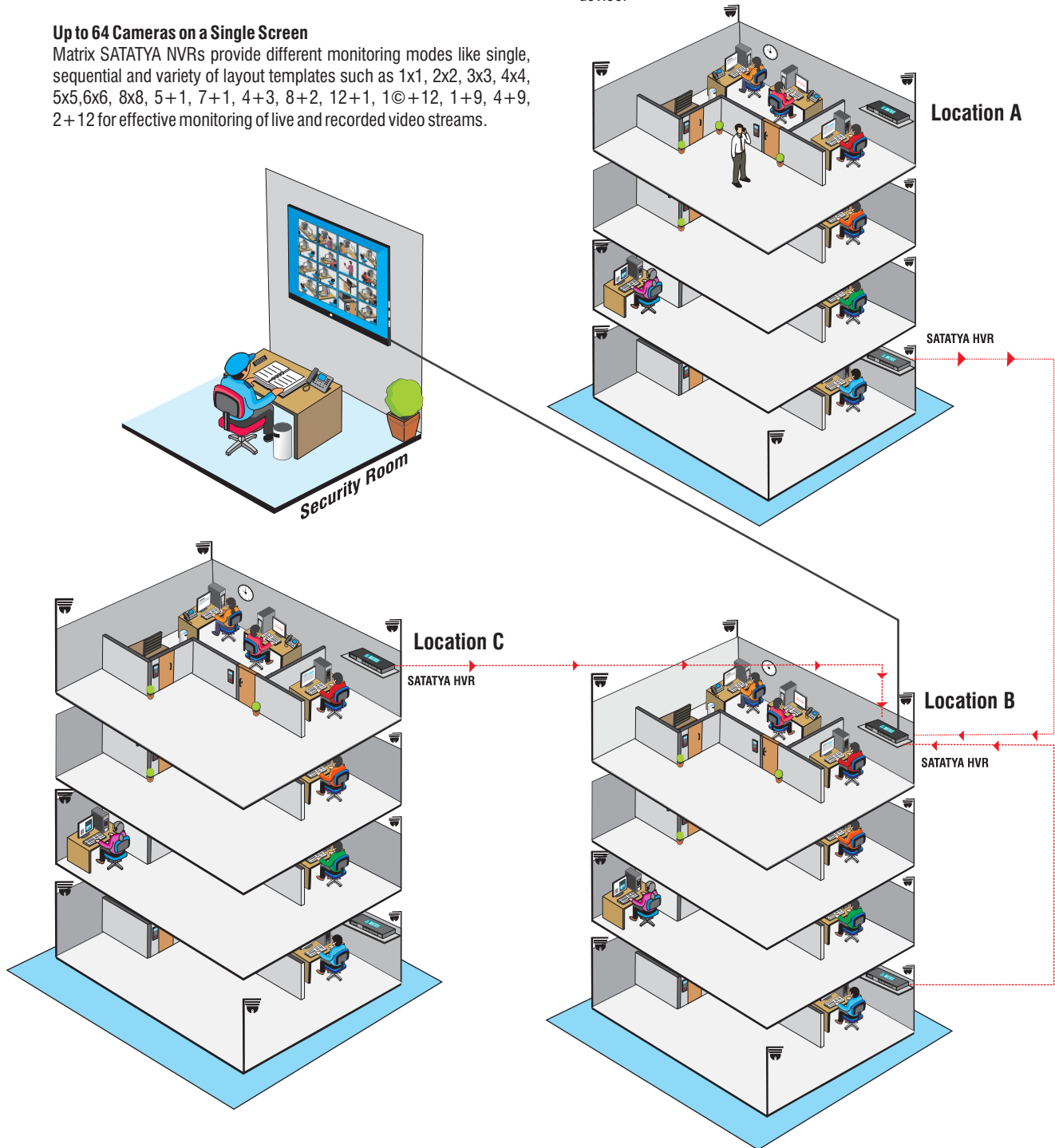
Up to 64 Cameras on a Single Screen

Matrix SATATYA NVRs provide different monitoring modes like single, sequential and variety of layout templates such as 1x1, 2x2, 3x3, 4x4, 5x5, 6x6, 8x8, 5+1, 7+1, 4+3, 8+2, 12+1, 1⊕+12, 1+9, 4+9, 2+12 for effective monitoring of live and recorded video streams.



Cascading (Locally Manage 20 NVRs)

Multiple NVRs can be managed from a single NVR. If more than 24 cameras exist in a network, they can still be managed from one NVR locally. A single NVR can act as the master NVR and it can control up to 19 other NVRs. One master device can become a slave to another device.



SERVER NOT REQUIRED



SINGLE TV REQUIRED



EASE OF MANAGEMENT

E-map

E-map monitors the actual cameras placed on the JPEG map with notification based video pop-up. It provides centralized control with simplified and effective monitoring.



Device Client

Remote viewing and monitoring of an organization is of very high importance for any owner, when he is not in the premises. This helps in increasing the productivity, efficiency and discipline of the organization.

SATATYA CORE: *Centralized Management Software*

Active management of multiple NVRs and HVRs can be done using the SATATYA CORE. It allows configuring, recording, monitoring and management of multiple devices centrally.

SATATYA SIGHT: *Mobile Application*

SATATYA SIGHT is a mobile application for Matrix Video Surveillance which helps organizations monitor and manage their premises remotely on any Android and iOS platform. It provides key features such as addition of up to 50 devices, Digital Zoom, PTZ Control, Capture Snapshot, Favourite Channel, and Calling per camera in case of any event



TCP based Notifications

Get push notifications about functioning status of all cameras & devices at less than 5Kbps bandwidth. Each bit carries information like recording, motion, camera tamper, etc. This feature can be useful for monitoring remote locations with less bandwidth.

System Health Status

Admin can monitor system functional status and events in real-time including hard disks status, storage, motion detection, connection, manual recording, tamper, alarm, PTZ tour, sensor input, etc. Timely updates on the health status of your video surveillance system improve reliability.

Digital Zoom

Digital zoom feature allows user to get a closer view of the defined area on the screen even with a fixed lens and non-zoom camera.

PTZ Control

PTZ tour supports up to 64 different camera positions per channel covering large area with special zoom-in on critical zones. It also gives the flexibility to set manual and auto tour of PTZ.

Video Snapshot

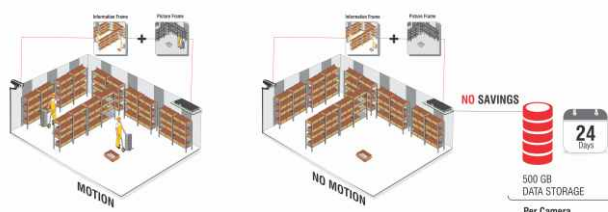
SATATYA NVR allows capturing a snapshot of the video during live monitoring or playback and storing it for future reference. Mobile Application also allows taking snapshots.

STORAGE & BACKUP

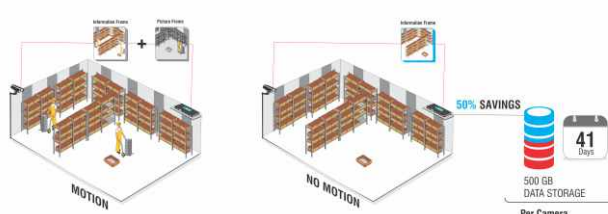
Increase Number of Storage Days

- SAVE ON STORAGE COSTS
- GET HIGHER STORAGE DAYS
- SAFEGUARD DATA

GENERAL SOLUTION



MATRIX SOLUTION



Adaptive Recording

Adaptive Recording is a method of recording to achieve optimized storage on hard drive. To achieve the same, the device records both P frames and I frames when there is motion, but when there is no motion the device records only I frames. Adaptive recording helps save up to 50% on storage.

Camera-wise Recording Retention

SATATYA NVRs provide camera-wise flexibility to configure the number of days for retaining recordings. Recordings of cameras with high importance like in a server room can be stored for higher number of days whereas recordings of cameras with low importance like in the canteen can be stored for lower number of days. This helps save up to 30% on storage space.

Higher Storage Capacity

Required storage capacity depends on number of cameras, type of recording, resolution and retention duration. SATATYA NVRs offer huge storage capacity that ranges from 6TB to 24TB. For higher storage requirements, videos can be stored directly on NAS/FTP server.

RAID Support

Duplication of storage is essential to prevent losing of videos in case of a disk failure. RAID setup distributes videos over multiple hard disks for easy recovery. SATATYA NVRs have the provision of RAID0, which strips videos and RAID1, which mirrors video on both the disks hence, reducing the chances of complete loss of video.

Backup Management

Video is an important data and its backup is essential to prevent accidental loss. SATATYA NVRs support backup on another server and even off premises. NAS, Cloud Server and FTP can be used for scheduled recording, direct playback and data retention. In case data from SATATYA NVRs is corrupted or stolen, admin can retrieve from any of the servers.

Synchronization of Data

The synchronization feature transfers video to the FTP, NAS or any pre-defined path to ensure recording and backup are in sync and up to date. As soon as one file is created the backup will start ensuring data is safeguarded at two places.

Crop and Backup

Many times, video clips are prepared for reviews and legal proceedings. In such cases, it is necessary to record only relevant durations. Crop and backup option allows user to cut and backup only the essential part of a video required as evidence.

Advanced Storage Management

SATATYA NVR monitors the free space available on the hard disk continuously and sends notification to admin user when it reaches a pre-defined threshold. Once the disk is full, it offers to overwrite the oldest recorded video (FIFO) or stop recording. It can also clean-up the oldest file and create configured percentage of storage space. It provides a regular clean-up option in two ways:

1. Delete backed up files after every backup.
2. Delete files older than specified number of days.

SEARCH AND PLAYBACK

Quickly Search Events for Detailed Analysis

- QUICK AND EASY INVESTIGATION
- IMPROVE PRODUCTIVITY

Timeline based Search

Search can be done from the available recorded videos on the basis of camera number, recording type and timeline of the event. The colour codes used to indicate recording types make it simpler for a user to search for the required video.

Synchronous Playback

Synchronous playback allows tracking of an entire event by doing a playback of up to 4 cameras simultaneously across the organization.

Asynchronous Playback

Asynchronous playback is essential when we know the location of occurrence of an event but not the time. With asynchronous playback you can search a particular camera at different time simultaneously. Also, playback can be done using, date and time, type of recording, and camera number to assist in quick investigation.

Log/Event Search

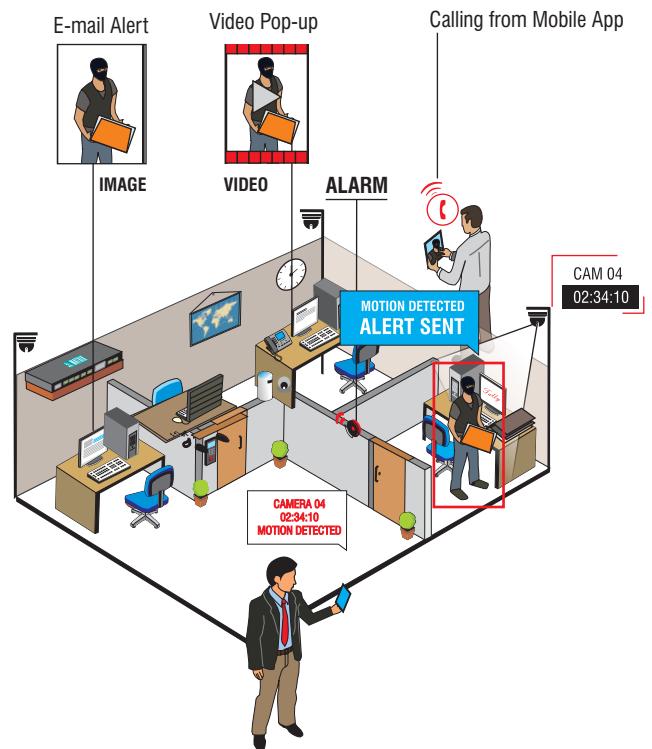
A user can search from the available recorded videos on the basis of event type like Alarm, Manual, and Schedule. This makes it simpler and quicker for a user to search for the required video



EVENTS AND ALERTS MANAGEMENT

Real-time Security to Prevent Mishaps

- NEVER MISS RECORDING IMPORTANT EVENTS
- EARLY DETECTION WITH INSTANT NOTIFICATION
- CALL THE RIGHT PERSON AT THE RIGHT TIME



Events Identification

SATATYA NVRs are intelligent devices capable of detecting various events like motion, trip wire*, intrusion detection*, tamper, connection failure, alarm, manual trigger, power on, disk error and disk full.

SMS Notification without SIM Card

In case of any event like motion detection, power on, storage alert, disk error, disk volume full, etc., SATATYA NVRs send SMS to ensure that the concerned person is notified in real-time to prevent damage from the event.

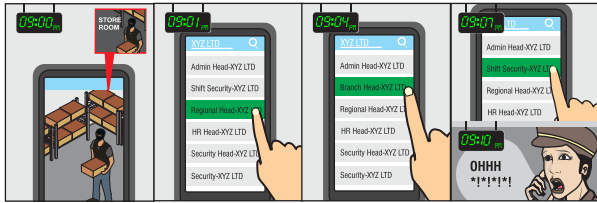
Email Notification with Snapshot

In case of any event, SATATYA NVRs can send email notification with snapshot as an attachment to one or multiple recipients. Users can use these notifications as pictorial evidence for events even if the NVR or hard disk is stolen.

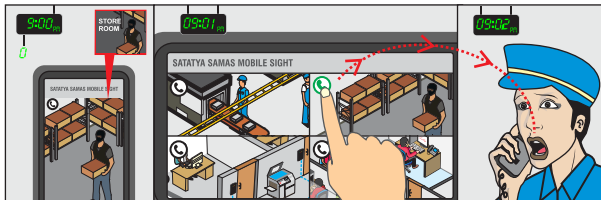
Alarm Detection and Management

Alarms play a major role in real-time video surveillance. SATATYA NVRs allows connection for alarm input and output devices. Using input and output linkage, admin can program various applications. For example, on detection of any event like glass break, a notification in the form of a buzzer could be activated.

GENERAL VIDEO SURVEILLANCE SOLUTION



MATRIX VIDEO SURVEILLANCE SOLUTION



Calling from SATATYA SIGHT

SATATYA SIGHT has the facility to make calls to the person whose number has been linked to the respective camera in the SATATYA NVRs. A separate contact number can be assigned to each camera. This simplifies the process of taking action in case of any unexpected event.

PTZ Pre-set Position

Matrix SATATYA NVRs allow a PTZ to Pan, Tilt and Zoom based on the occurrence of any event. This helps in focusing better on any event. For example if a person is denied access through the access control device, this triggers the PTZ to zoom for a closer and clearer view of the person.

Video Pop-up

In case of any suspicious activity, like motion detection or denied access control, the system sends a video pop-up notification to alert the concerned person about the event. This will help them take action in real-time.

DATA SECURITY

Safeguard Data from being misused
Real-time Security to Prevent Mishaps

- SECURE DATA FROM UNAUTHORIZED USERS
- SAFEGUARD FROM HACKING

User Management

SATATYA NVRs offer flexibility of user roles with admin, operator and local rights. Up to 120 users can login simultaneously having different roles and rights including live view access, playback, PTZ control and audio. Admin can set camera-wise different access rights for each user ensuring complete flexibility, control and security.

IP and MAC based User Access

Networking functions like static routing, IP and MAC address filtering (allow/deny), media file access cater to a high level of security protecting video surveillance from unauthorized users and hackers.

INTEGRATION AND INTEROPERABILITY

Centralized Single Security Solution

- PREVENT UNAUTHORIZED ACCESS IN PREMISES
- QUICK SEARCH OF RECORDS
- GREATER VISIBILITY & CONTROL
- COMPLETE SOLUTION BY FULFILLING EXACT REQUIREMENTS

Database Level Integration with Matrix Access Control

Matrix SATATYA NVRs can be integrated with Matrix Access Control solution through the Ethernet. This facilitates a door controller with cameras to take snapshots and start recording in case any event occurs at the door. This integration not only provides pictorial evidence of unauthorized attempt to enter, but also prompts real-time action by sending snapshots via email. Users can also search records based on an event

Integration with 3rd Party Sensors

Fire Alarm sensors or panel outputs can work as inputs to SATATYA NVR. With such integration, any trigger from the fire alarm system prompts NVR to start recording the events in the area of interest. It assists in rescue operations.



Interoperability

SATATYA NVRs are ONVIF compatible. Customers can build a solution using Matrix NVRs and cameras from other manufacturers. In addition, Matrix NVRs support almost all popular IP camera brands using RTP/RTSP. If a user and the camera are in the same network, users can get a video directly from the camera even if the NVR is in a separate network. This reduces usage of bandwidth for local viewing.

NETWORK

Manage Security while on the Move

- SAVE STATIC IP COSTS
- SEAMLESS REMOTE MONITORING WITH 3G CONNECTIVITY

Matrix DNS

Matrix provides a free DNS which is beneficial in case static IP is not available. It saves cost of static IP for SATATYA NVRs along with easy and secure viewing of multiple streams.

3G Connectivity

Customers can connect 3G/LTE dongles on SATATYA NVRs using the USB port if wired Internet is not available at remote sites. Admin and users can configure, manage and use the NVRs remotely.

TECHNICAL SPECIFICATIONS

		SATATYA NVR8S	SATATYA NVR24P	SATATYA NVR64S	SATATYA NVR64P
Video	Default Input	8 Channel IP Camera	24 Channel IP Cameras	24 Channel IP Cameras	24 Channel IP Cameras
	Standard	PAL (704x576) and NTSC(704x480)			
	Compression	H.264,MPEG-4, Motion JPEG			
	Output	1 VGA, 1HDMI	1 VGA, 2 HDMI	1 VGA, 1HDMI	1 VGA, 1HDMI
Audio	Compression	—	G.711, G.726, AAC, PCM	G.711, G.726, AAC, PCM	G.711, G.726, AAC, PCM
	Input		1Channel, RCA Port		
	Ouput		1Channel, RCA Port		
Alarm	Input	—	8	4	4
	Ouput		4	2	2
Display	Resolution	2 Channel @ 1080P, 4 Channel @ 720P and 8 Channel @ D1	6 Channel @ 1080P, 9 Channel @ 720P and 24 Channel @ D1	4 Channel @ 720P	4 Channel @ 1080P
	Privacy Masking	As Per Camera Support			
	Digital Zoom on Live	YES			
	Snapshot	YES			
	OSD	Channel Number and Name, Status, Video Loss, Motion Detection, Recording, , View Tamper, Blocked View and Disabled Channel (As per Camera Support)			
Recording	Image Resolution	1080P, 720P, D1			
	Pre-Record	Up to 30Sec			
	Post-Record	10-300 Sec			
	Recording Modes	Motion, Manual, Scheduled, Alarm, COSEC			
Playback & Backup	Synchronous Playback	4			
	Search Mode	Timeline based, Channel, Recording Type			
	Playback Modes	Fast Forward, Slow Forward, Slow Reverse, Fast Reverse at Different Speed Control, Next-Previous Frame			
	Backup	Manual Backup and Scheduled Backup over USB/FTP and NAS			
Video Detection & Alarm	Trigger Events	Motion Detection, View Tampering, Connection Failure, , Recording Failure, Manual Trigger, On Boot Alarm, Storage Alert, Disk Volume Full, Disk Fault, Scheduled Backup Fail			
	Actions	Recording on Selected Channel, Upload Images on FTP/Email server, Email Notification with Snapshot, TCP Notification, Recall PTZ Pre-set Position, Turn On/Off Alarm Outputs, Buzzer Notification, SMS Notification, Calling from Mobile App			
	Motion Detection	Camera Dependent			
	Video Loss				
Storage	SATA Interface	1 Port (6TB)	2 SATA Ports(12TB)	4 SATA Ports(24TB)	4 SATA Ports(24TB)
Interfaces	Communication Interface	1 RJ45 10/100Mbps Ethernet Interface	2 x Gigabit RJ45 Ethernet Interface	2 x Gigabit RJ45 Ethernet Interface	2 x Gigabit RJ45 Ethernet Interface
	USB2 Ports	2 Ports	4 Ports	4 Ports	4 Ports
	Control Mode	Mouse, CMS and Web Client	Mouse, IR Remote Control, CMS and Web Client	Mouse, IR Remote Control, CMS and Web Client	Mouse, IR Remote Control, CMS and Web Client

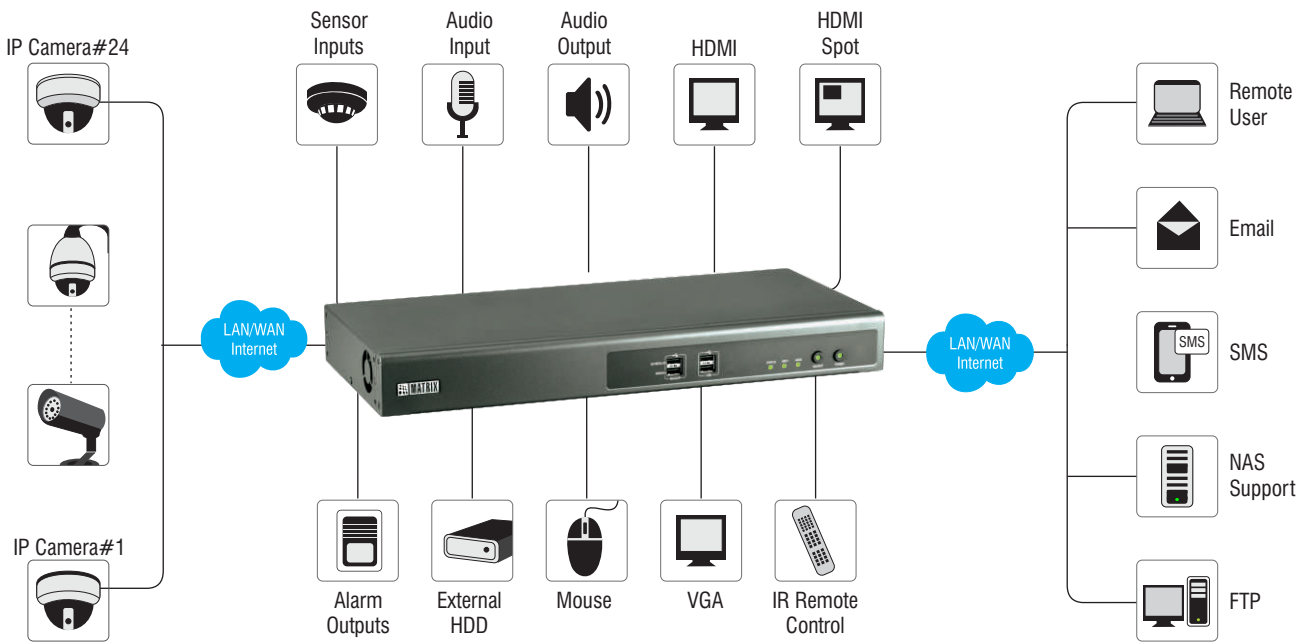
SOFTWARE RESOURCES	
Events Log	10,000
Role based Access Control Level	Administrator, Operator and Viewer
Simultaneous Login Users	10
MAC Access Control List	Yes
IP Access Control List	Yes
Day Light Saving	Yes
Routing Table	Yes

SOFTWARE REQUIREMENTS	
Operating System	CMS -> Windows XP SP3, Vista, Windows 7 (32/64 bit), Windows 8, Windows 10 Web Client -> Windows XP and above
Web Browser	Internet Explorer 6 and above (for NVR Web Client)
Processor	Intel Pentium 4 Processor (Minimum) Intel i5 or above (Recommend)
RAM Memory	1 GB (Minimum), 2 GB (Recommend)
Free Disk Space	200 MB (Minimum)
Connection	10/100/1000 Base-T Network Interface

SATATYA NVR THROUGHPUT AND DECODING CAPACITY			
DEVICE	CHANNELS	THROUGHPUT(MBPS)	DECODING CAPACITY
NVR8S	8	48	2 Channel @ 1080P, 4 Channel @ 720P and 8 Channel @ D1
NVR24P	24	144	6 Channel @ 1080P, 9 Channel @ 720P and 24 Channel @ D1
NVR64S	64	256	4 Channel @ 720P
NVR64P	64	354	4 Channel @ 1080P

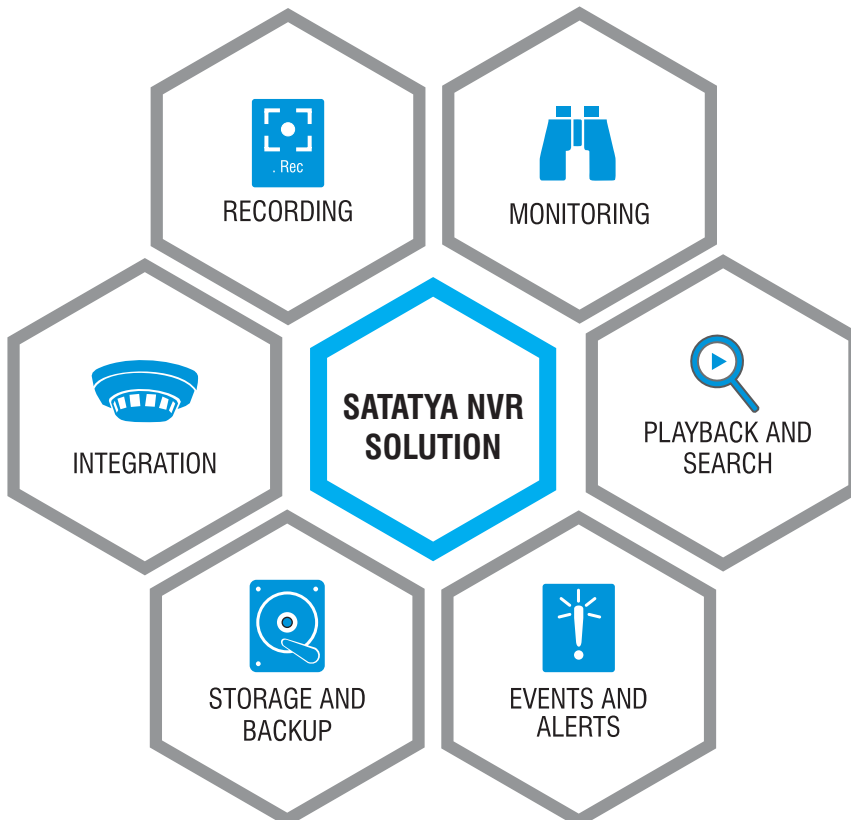
ORDERING INFORMATION	
MATRIX SATATYA NVR64P	Matrix SATATYA NVR64P is a 64 channel premium Network Video Recorder suitable for enterprises providing a high resolution security solution. It is built on a Core i3 processor for smooth and reliable performance. Throughput: 354Mbps, Storage Capacity: 24TB
MATRIX SATATYA NVR64S	Matrix SATATYA NVR64S is a 64 channel standard Network Video Recorder suitable for enterprises providing a high resolution security solution. It is built on a Core2 Duo processor for smooth and reliable performance. Throughput: 256Mbps, Storage Capacity: 24TB
MATRIX SATATYA NVR24P	Matrix SATATYA NVR24P is a 24 channel enterprise-grade Network Video Recorder designed for performance and reliability that organizations expect from a professional Video Surveillance solution. Throughput: 144Mbps, Storage Capacity: 12TB
MATRIX SATATYA NVR8S	Matrix SATATYA NVR8S is an 8 channel Network Video Recorder designed for SOHO and SME organizations. Throughput: 48Mbps Storage Capacity: 6TB

SATATYA NVR INTERFACES



SATATYA NVR24P

SATATYA NETWORK RECORDING DEVICES SIMULTANEOUS FUNCTIONS



FEATURES LIST

Channels and Resolution

- 8/24/64 Channels
- Mega-pixel Resolution*
- D1, 720P, 1080P
- 48/144/256/354Mbps Throughput

Ease of adding cameras

- Auto configure of cameras
- UPnP

Recording Types

- Manual and Scheduled
- Pre-alarm and Post-alarm
- Trigger based
- Two-way audio
- Privacy masking
- Motion detection

Bandwidth Optimization

- H.264, MPEG-4 and Motion JPEG Video
- Compression
- Dual Streaming
- Configurable Bit rate

Monitoring

- 1x1, 2x2, 3x3, 4x4, 5x5, 6x6, 8x8, 5+1, 7+1, 4+3, 8+2, 12+1
- Single, Sequential, PIP1 and PIP2
- Digital Zoom on Live and Playback
- User Selectable Display Sequence
- Cascading
- TCP Based Notifications
- System Health Status
- PTZ Control
- Video Snapshot

Storage and Backup

- Up to 24TB Storage Capacity
- Adaptive Recording
- Camera-wise recording retention
- RAID0 and RAID1
- Crop and backup
- Advanced storage management
- Storage on NAS, FTP and External HDD
- Export in AVI and Native File Format
- Upload Image in JPEG Format
- Manual and Scheduled Backup
- Storage on FIFO

Search and Playback

- Timeline Based Search
- Log/Event Search
- Synchronous
- Asynchronous
- Live and Remote Playback
- Different Speed Control
- Fast Reverse
- Slow Reverse
- Fast Forward
- Slow Forward
- Next and Previous Frames

Intelligent Features

- Pentaplex Function
- Motion Detection*
- Trip Wire*
- Intrusion detection*
- Direct Streaming from Camera
- Privacy Masking*
- View Tampering*
- Day Light Saving Time (DST)
- Integration with Access Control System

Events

- Disk Error
- Disk Volume Full
- System Alarm Detection
- Manual Trigger
- Motion Detection
- Trip Wire*
- Intrusion Detection*
- View Tamper
- Camera Disconnect
- Power On
- Storage Alert

Action on Events

- Buzzer Notifications
- Email Notifications with Snapshots
- Recall PTZ Pre-set Position
- Recording on Selected Channels
- SMS Notifications
- Turn on/off Alarm Outputs
- Upload Images on FTP/Email/Network Drive

Remote Function

- Live Camera Monitoring with PTZ Control
- Menu Configuration
- Record Video
- Live View and Playback

Control

- IR Remote Control
- Front Panel Backup Button
- Wireless Mouse

Alarm*

- Motion Detection*
- Video Loss
- Video Tamper*
- Trip Wire*
- Intrusion Detection*

Security

- IP Access Control List
- Block Online Users
- Secure Remote Access
- Video Access Rights

System

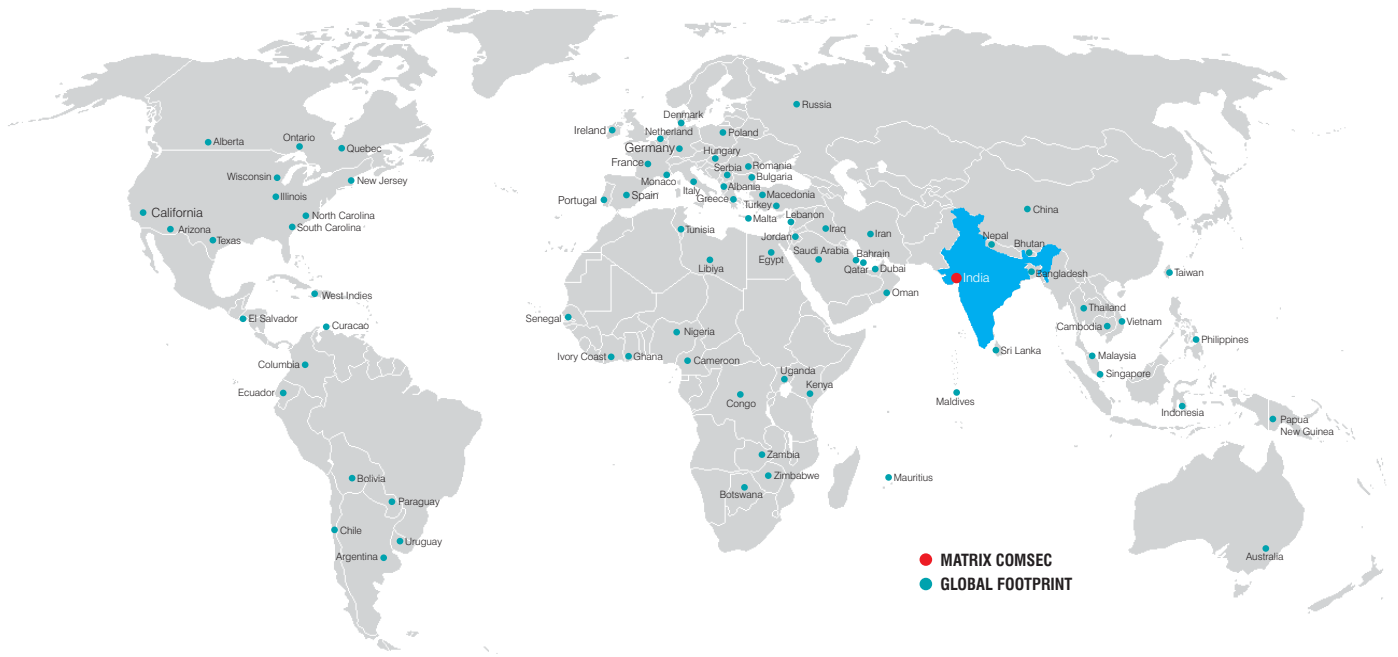
- Firmware Upgrade
- 10,000 Events Log
- 3 User Access Levels (Default)
- Embedded Web Server
- Intuitive GUI
- Linux Embedded OS
- Online Users List
- Multiple Concurrent Login Sessions (Up to 120)
- Multiple Programmable Users
- Web based Interface
- Check System Health Status

Centralized Monitoring System (CMS)

- 36 Channels Simultaneous
- Display/up to 10 Pages
- Connect Multiple NVRs, HVRs and DVRs
- Create Monitoring Plans
- Grouping of Multiple Cameras
- Local Storage and Playback
- Local Scheduled Recording
- Centralized Recording and Backup

*Feature is supported if it is supported by the installed IP camera.

MATRIX NETWORK



MATRIX SATATYA CUSTOMERS

CORPORATE

- Samsung C&T
- TCS Technology
- SGI Corp

GOVERNMENT

- Indian Railways
- Indian Air Force
- NTPC

EDUCATION

- RBK International School
- IIT
- NIFT

MEDIA

- Network 18
- Times of India
- Matrimony.com

MANUFACTURING

- Godrej Ware House
- Tata Chemicals
- Raymond's
- Schneider Electric

OTHERS

- Arihant Retail
- Honda
- Tanishq
- Sanofi Pharma
- Deccan Chemicals
- Raheja Hospital
- Hotel Royal Park
- NESCO
- BTI Payments
- Nashik Railways
- Dnata Group
- Devgad Baria City Surveillance
- Patna Airport
- Bhubaneswar Airport

ABOUT MATRIX

Established in 1991, Matrix is a leader in Telecom and Security solutions for modern businesses and enterprises. An innovative, technology driven and customer focused organization; Matrix is committed to keep pace with the revolutions in the telecom and security industries. With more than 40% of its human resources dedicated to the development of new products, Matrix has launched cutting-edge products like Video Surveillance solutions, Access Control, Time-Attendance, IP-PBX, Universal Gateways, Terminals, Convergence solution, VoIP Gateways and GSM Gateways. These solutions are feature-rich, reliable and conform to the international standards. Having global foot-prints in Asia, Europe, North America, South America and Africa through an extensive network of more than 500 channel partners, Matrix ensures that the products serve the needs of its customers faster and longer. Matrix has gained trust and admiration of customers representing the entire spectrum of industries. Matrix has won many international awards for its innovative products.



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