

MATRIX SATATYA

Video Surveillance Solution for Enterprises

Video surveillance is an important part of any organization's security strategy. Security and safety of human resources, physical and intellectual assets are of utmost importance. In addition, productivity and discipline aspects are also linked with video surveillance. However, the video surveillance solutions available in the market today offer reactive security. Moreover, these solutions stop at mere monitoring and recording, lacking the intelligent features that offer centralized control over the solution. Furthermore, with the advent of IP solutions, bandwidth and storage requirements have dramatically increased leading to higher cost of overall solution preventing organizations to shift to the superior IP solution.









Matrix presents SATATYA – a family of Video Surveillance solutions specifically engineered for large organizations to address their enterprise grade applications. The offering in terms of solution includes an enterprise VMS, NVRs, HVRs and IP camera. Considering the need of today's globalized organizations, the entire Matrix solution focuses on four major aspects, which are preventive security, centralized control with ease of management, storage space optimization and efficient bandwidth utilization.



MATRIX SATATYA: THE VIDEO SURVEILLANCE SOLUTION FOR ENTERPRISES

VMS	SOFTWARE	HARDWARE
Video Management Software	Centralized Management Software (CMS)	HVR
Access Control Integration	Mobile Application for Devices	NVR
Intelligent Video Analytics	TCP Utility Application	IP Cameras
Multi-display Monitor Application	Device Monitor Application	
Mobile Application for VMS	Web Client for Devices	

MATRIX SATATYA THREE DIMENSIONAL BENEFITS

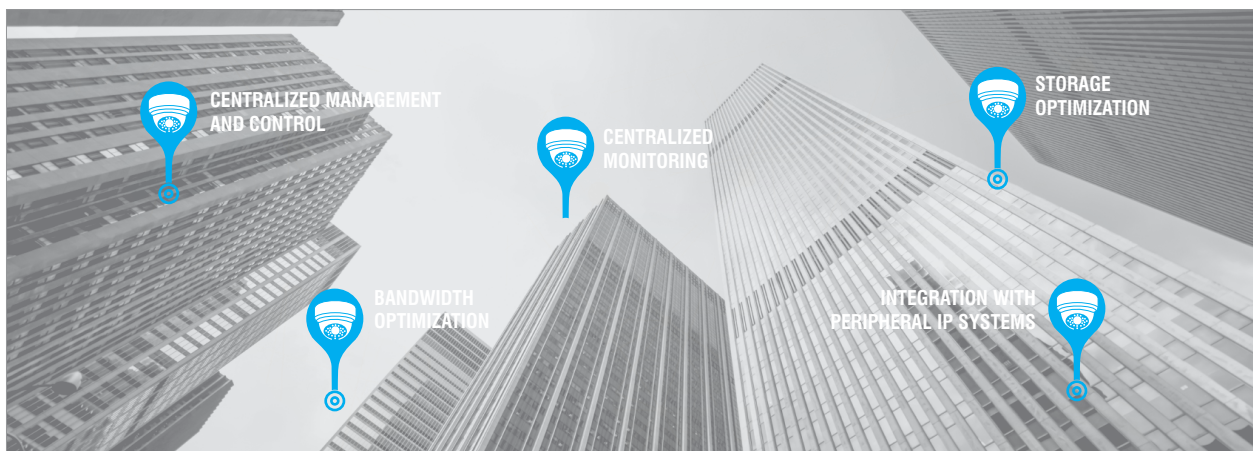
PROFICIENT	PERSISTENT	PREVENTIVE
 <p>REDUCTION IN SOLUTION COST of Bandwidth, Storage and Manpower</p>	 <p>BETTER RELIABILITY against Downtime and Breakdowns</p>	 <p>ENHANCED SECURITY of physical assets from Theft, Snooping, etc.</p>
 <p>IMPROVED EFFICIENCY in Productivity, Process Compliance and Employee Discipline</p>	 <p>GREATER VISIBILITY & CONTROL</p>	 <p>IMPROVED SAFETY of Human Assets from Accidents, Hazards and Injuries</p>
 <p>SIMPLICITY OF MANAGEMENT</p>		 <p>PROACTIVE SOLUTION with Early Detection and Instant Notification</p>

CUSTOMER PROBLEM - SOLUTION

PROBLEM	PROBLEM	SOLUTION	FEATURE
Storage Cost	High storage cost as all cameras record equal days.	Flexibility of camera-wise storage days.	Camera-wise Recording
	High storage cost of recording during non-activity period.	Auto adjust fps based on motion in front of camera.	Adaptive Recording
Bandwidth Cost	Wastage of bandwidth to transmit unimportant areas in a scene.	Flexibility to define resolution to different areas of a scene.	Smart Streaming and ROI
	Same bandwidth utilization for low activity period.	Auto adjust fps based on motion in front of camera.	Adaptive Streaming
	Recurring cost of public IP at each location.	Recording device initiates connection with central server.	Device Initiation Connectivity
	Unavailability of bandwidth for central recording.	Monitor and playback recording from device.	Edge Recording and Playback
Reactive Security	Slow identification of threatening situations.	Threat identification with IVA like Face Detection, Intrusion, Loitering, Missing Object etc.	Range of Intelligent Video Analytics
	No pictorial evidence in case of theft of recording device.	Snapshot/video sent to central location on occurrence of event.	Event based Clip Export and Scheduled Backup
	Delay in notification to the right person.	Local and remote instant notification.	Calling, SMS, Email, Video Pop-up
Operational Difficulty	Managing a server for centralized monitoring.	No server for central monitoring with master-slave architecture.	Cascading
	Adding high number of cameras to the solution.	Auto add cameras using DHCP.	Auto Configuration of Cameras
	Central monitoring of cameras, access control and fire alarm.	Event based monitoring of all security solutions on a map.	E-map with Third Party Integration
High Downtime	Recording missing during investigation.	Redundant server to manage recording.	Redundant Servers
High Investigation Time	Delay in reaching the event of interest.	Search and bookmark with IVA based Investigator.	Investigator
	Time wasted on daily monitoring.	Quick summary of selected high interest cameras.	Daily Highlights

MATRIX SATATYA SAMAS – ENTERPRISE VIDEO MANAGEMENT SERVER

Matrix SATATYA SAMAS is a Video Surveillance Management solution specifically designed to meet diverse and complex needs of large enterprises having multiple sites connected to a central location or those having a large, single site. SATATYA SAMAS is designed on five pillars: 1. Centralized Management and Control, 2. Preventive Safety and Security, 3. Storage Optimization, 4. Bandwidth Optimization, 5. Integration with Peripheral IP Systems



PROBLEM: High Cost of Solution - Bandwidth, Storage, Server

SOLUTION



Edge Recording

Flexibility of Video/Snapshot Storage as per the Availability of Bandwidth and Priority of Event



Multi-streaming

4 Stream Support for: Live View, Recording, Remote View and Mobile Monitoring



Adaptive Recording

Records P frames and I frames when there is Motion and Records only I frames when there is no Motion



Camera-wise Recording Retention

Defines Camera-wise Storage Days to Retain the Recording based on Importance of Camera



Internet Dongles with Private IP

Connects all Video Recorders Centrally without a Public IP as Device Initiates Connection to a Central Location



Two Level Data Compression & Archiving

Deletes Audio Files during First Level of Compression and Removes P Frames for further Compression after a Defined Period of Time



NAS and FTP

Supports NAS/FTP for Storage and Backup of Videos/Snapshots

PROBLEM: Reactive Security and Safety

SOLUTION



Motion Detection

Notifications on Occurrence of Motion in Defined Areas



No Motion Detection

Notifications on No Motion for Defined Time in a Defined Area



Intrusion Detection

Notifications on Intrusion of any Object/Person in a Defined Area



Face Detection

Store Snapshot of Faces Detected in a Defined Area



Missing Object Detection

Notifications on Detection of Object Moving out of a Marked Area



License Plate Recognition

Detect and Recognize the License Plate Number and Save it to Database



Trip Wire

Notifications on Object/Person Crossing a line in a Defined Direction



People Counting

Direction based Head count in a Defined Area



Loitering

Notifications on any Movement in a Defined Area for a Defined Period of Time



Vehicle Counting

Counts Number of Vehicles Passing in or out of a Define Area

PROBLEM: No/Delayed Notifications

SOLUTION



Email with Snapshot

Email Notification with a Snapshot/Video Recording for Pictorial Evidence



Video Pop-up

Event based Video Pop-up with Multiple Window Stacking



SMS

Camera-wise Event based SMS Notification



Audio Alarm & Buzzer

Event based Audio, Alarm and Buzzer to Alert the Miscreants

PROBLEM: Lack of Centralized Control and Monitoring

SOLUTION



E-map Monitoring

Access any Entity like Camera, COSEC Door Sensors and Servers from E-map to take Appropriate Action



Sequencing and Camera Grouping

Logical Grouping and Sequencing of Cameras – Branch-wise, Domain-wise



Daily Highlights

Camera-wise Motion based Daily Summary for Quick Analysis

PROBLEM: High Downtime of Solution

SOLUTION



Evidence Lock

Restrict Deletion of Important Evidence by Defining a Locking Period



Redundancy

No Loss of Recording in Case of Failure of Recording Server



Clip Export

Instantly Export Proof by Sending Event based Clips to Central Location



Health Status Reports

Ensure Functions like Live View, Recording and Connectivity for Entities like Cameras, Server, and Sensors are Operating Smoothly

PROBLEM: Disparate Security Solution

SOLUTION



Integration

Information such as Snapshot, Recorded clip, for any Third Party Event Notification, Bookmark can be Stamped



Interoperability

Cameras Support ONVIF 2.0 Version along with other Major Brands

LOCAL VIDEO SURVEILLANCE	LOCAL + CENTRALIZED VIDEO SURVEILLANCE
Scattered and ad-hoc security policies for controlling a system at Various local locations	Well-planned and consistent security policy with centralized control through a single system.
Dispersed monitoring; monitoring multiple locations require multiple tools.	Well-planned and consistent security policy with centralized control through a single system.
Scattered video data and backup at multiple locations.	Centrally defined, controlled and owned responsibility for video surveillance and data.
Distance between remote locations and headquarter lead to inefficiencies in managing systems	Live monitoring and events bring all locations closer improving visibility, control, compliance and productivity.
In case of unexpected events, correct information either does not reach or gets delayed, leading to wrong conclusion and slower response.	With real-time events and video analysis, seniors can respond faster to events.
Chances of security lapses due to lack of 2 nd level of live monitoring and instant playback.	Centralized monitoring acts as a constant watch ensuring tighter security and preventing unexpected events.
Separate people to manage servers, devices, cameras, backup, etc.	The small central team can manage entire video surveillance infrastructure.

SATATYA SAMAS SCALABILITY

Number of Cameras	1,00,000
Number of Devices	10,000
Number of Recording Servers	1,000
Number of Simultaneous Users	1,000

LICENSING OF SATATYA SAMAS

	SATATYA SAMAS PLATFORM		
	GE	ME	LE
In-built Cameras	20	50	200
Maximum Camera Supported	100	250	1,00,000
In-built Simultaneous Users	2	5	5
Maximum Simultaneous Users Supported	1,000	1,000	1,000
Maximum Number of Cameras per Server	255	255	255
Recording Devices per Management Server	10,000	10,000	10,000
No License is Required for Recording Server			

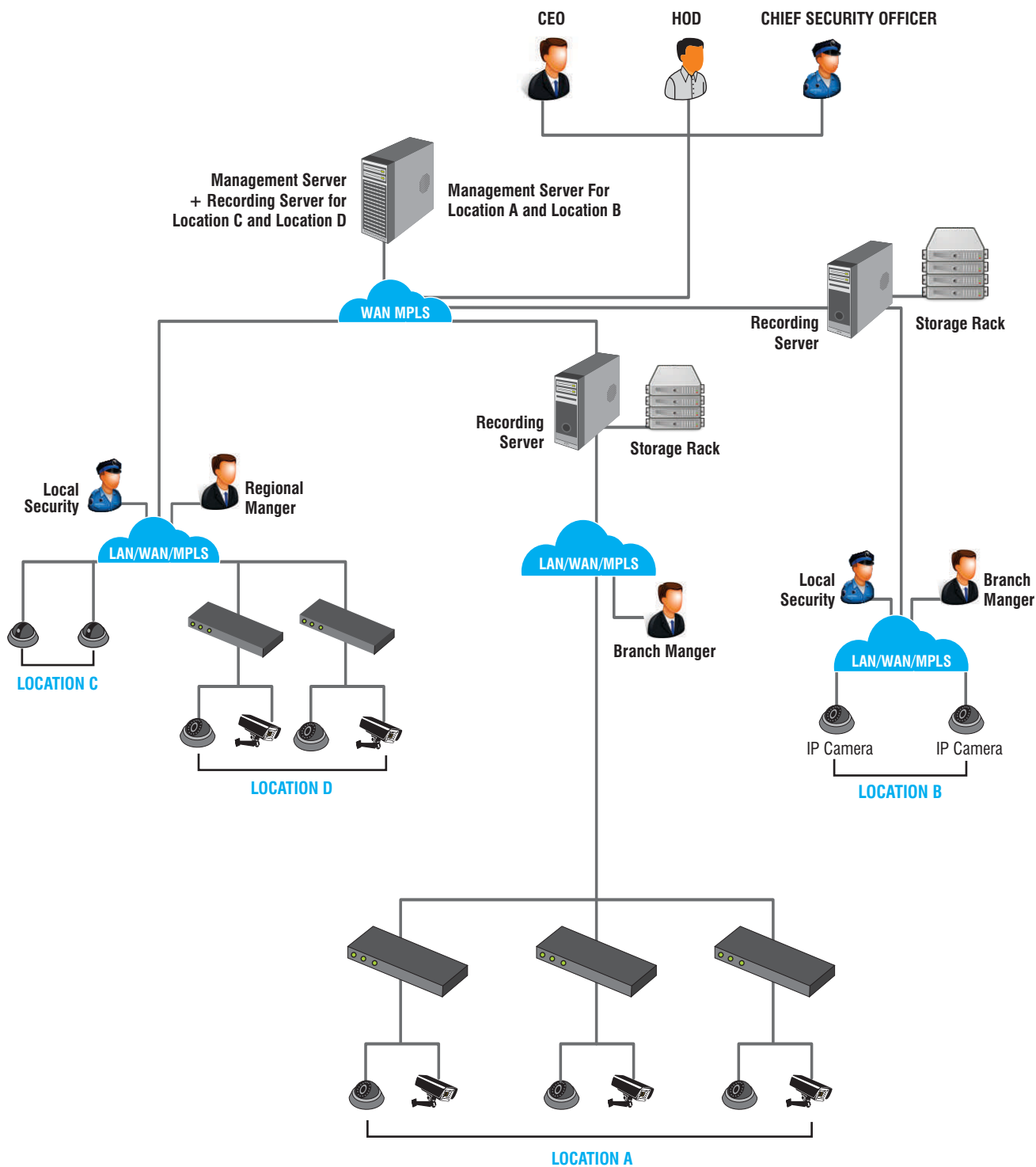
SATATYA SAMAS LICENSING MODULES

Base Platform	Multi-display
Additional Camera	License Plate Recognition
Additional Simultaneous User	Face Detection
Matrix Access Control Integration	Crowd Management
Motion based Intelligent Video Analytics	Parking Management

SATATYA SAMAS SERVER AND CLIENT MODULES

SATATYA SAMAS Management Server	Management Server is for administration of all connected entities such as Recording Servers, Devices, Cameras, Access Control Devices, Sensors and Alarms.
SATATYA SAMAS Recording Server	Recording Server is used for recording a camera stream on a server administrated under the Management Server.
SATATYA SAMAS Admin Client	Admin Client is for system administrators to configure and manage entire SATATYA SAMAS. Multiple admin clients with different login rights are supported for managing various aspects including Servers, Devices, Live View, Recording, Streaming, Storage, Backup, Archival, Alerts and Notifications.
SATATYA SAMAS Smart Client	Smart Client is for users which allow them to manage all video surveillance activities including Live View, Playback, Investigation, Video Analytics, Alarms and Integration. Multiple users can log in simultaneously with different login roles and rights.
SATATYA SAMAS Media Client	Media Client is for users to view backup videos stored in the backup drive.
SATATYA SAMAS Mobile Client	SATATYA VISION is the Android and iOS mobile application for SATATYA SAMAS which is used for remote monitoring.

MATRIX SATATYA SAMAS ARCHITECTURE



DEPLOYMENTS

DEPLOYMENT A	Management Server	→	Recording Server	→	Devices	→	Camera
DEPLOYMENT B	Management Server	→	Recording Server	→	IP Camera		
DEPLOYMENT C	Management Server	+	Recording Server	→	IP Camera		
DEPLOYMENT D	Management Server	+	Recording Server	→	Devices	→	Camera

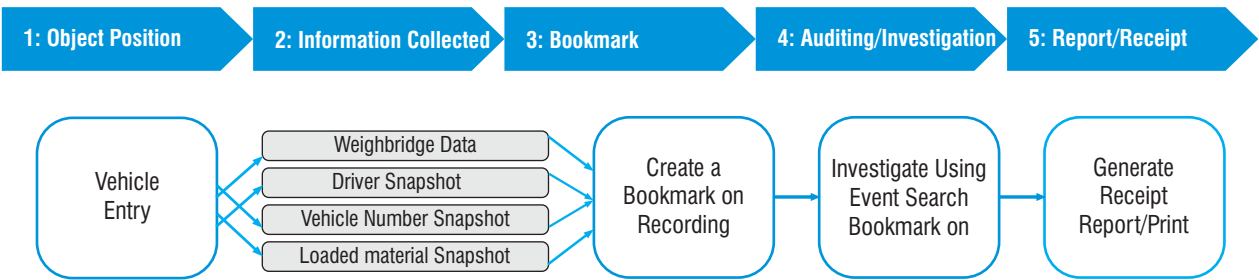
Note: Deployment C and Deployment D have a common recording server for regional management.

SATATYA SAMAS APPLICATIONS

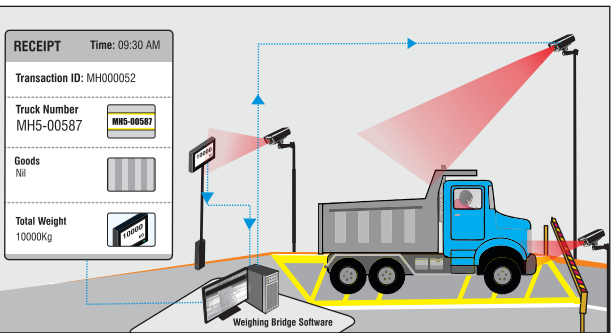
WEIGH BRIDGE (USING WEB API)

SATATYA SAMAS provides users with the flexibility to collect pictorial evidence of inward or outward material. Mapping of unique number such as License Plate/Challan Number/Token number with each vehicle is also possible for carrying out

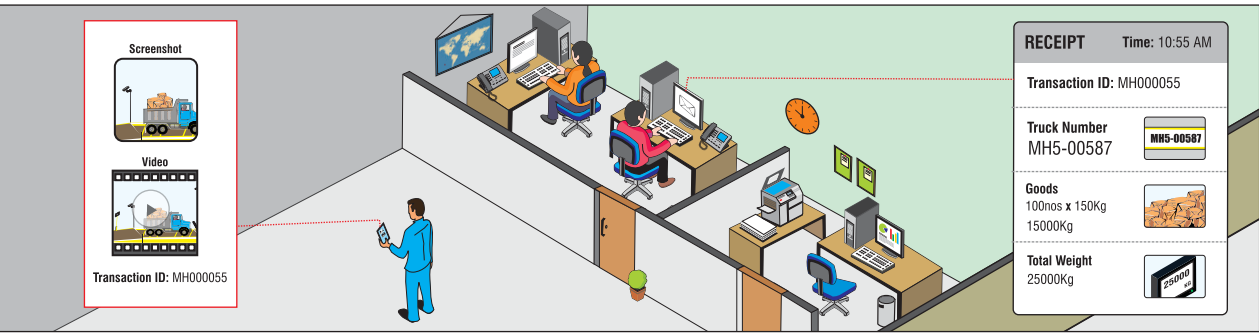
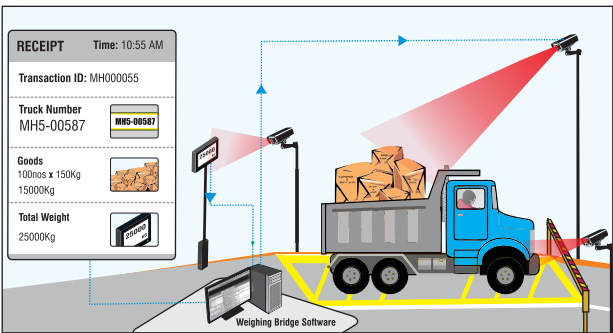
further verification and auditing. Vehicle search can be carried out using any of the unique “Bookmarks” mentioned above for quick validation, using snapshots from various angles of payload, vehicle, driver, weighing scale, etc.



Before Loading



After Loading



ATM/POS (Using Web API)

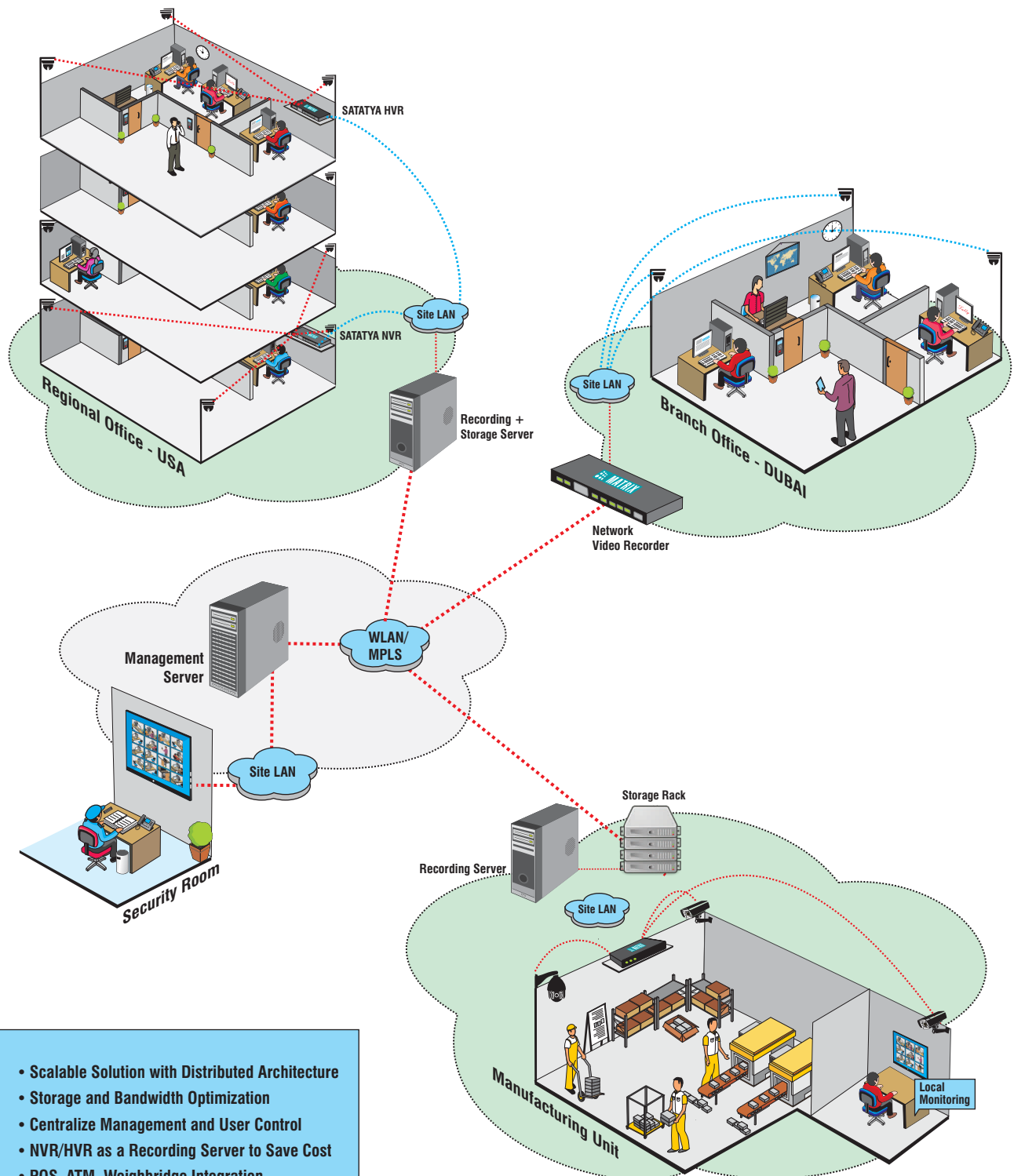
SATATYA SAMAS VMS enables marking a scene with unique identity by consuming API of other third party software such as billing at point of sale, ATM or any similar platform utility. Create a unique 'Bookmark' with bill number, customer name, loyalty card number or other unique string to retrace video evidence at a later

stage. At ATM outlets too we can mark each transaction of cash from machine to customer by debit card name, debit card number or any unique id during video recording for post analysis, in case any unwanted event takes place.

MULTI-FLOOR AND MULTI-LOCATION APPLICATION

Matrix SATATYA SAMAS is a modular, flexible and fault-tolerant solution for multi-location organizations. It provides easy monitoring, simplified management, multiple connectivity options, quick retrieval and smart storage of data across the locations. Devices installed at the multiple locations can be connected to individual recording servers which then are connected to a single management server. Monitoring of these multiple sites can be done

through various modes like Smart Client, Mobile Application and Multi-monitor Application. The security officer can monitor most essential locations by selecting those cameras and viewing them together on a single screen. These security officials can be allocated locally as well as centrally for providing a dual layer of enhanced security.



- Scalable Solution with Distributed Architecture
- Storage and Bandwidth Optimization
- Centralize Management and User Control
- NVR/HVR as a Recording Server to Save Cost
- POS, ATM, Weighbridge Integration

SATATYA VIDEO RECORDERS

Matrix Video Surveillance consists of a wide portfolio of hardware and software products. Network Video Recorder (NVR), Hybrid Video Recorder (HVR), free software like Centralized Management Software (CMS), Web Client and Mobile Application are a part of this portfolio. Our products are designed considering the challenges experienced in the video surveillance market like high bandwidth cost, storage, difficulty in management of multiple cameras & integration. Below is the list of our salient features:

PROBLEM: High Storage Costs

SOLUTION



Adaptive Recording

Records P Frames and I Frames when there is Motion and Records only I Frames in Case of no Motion



Scheduled and Manual Backup over NAS/FTP

Supports up to 2 NAS with 16TB each and RAID functionality



Higher In-built Storage

Provides Higher Storage on Local Drive with 6TB HDD per Slot



Camera-wise Recording Retention

Provides Camera-wise Flexibility to Configure the Number of Days for Retaining Recording based on Priority of Camera

PROBLEM: Bandwidth Unavailability

SOLUTION



Multi-streaming with CBR and VBR

Provides Flexibility to Customize the Streams as per Requirement and Availability of Bandwidth



TCP based Notifications

System Sends Push Notifications about Functioning Status of all Cameras and Devices within 5Kbps

PROBLEM: Difficulty in Management & Monitoring

SOLUTION



Cascading

Enables Monitoring of up to 19 other Devices with a Single Device without using a Server



Playback and Search

Provides Synchronous Playback to Enable Timeline and Event based Search



Auto Configuration of Cameras

Provides Flexibility of Automatically Adding Cameras to Video Recorders in the Defined IP Range



Multi-layer E-Map

Enables Locating and Monitoring Cameras Placed on the Organizational Map and Sends Notifications in Case of any Event

PROBLEM: Reactive Security

SOLUTION



Calling From Mobile App

Provides Flexibility to Call a SIM Number or an Extension (MATRIX EPABX) Assigned to any Camera Directly from the Mobile Device



Instant Notifications

Provides SMS Notification, Email Notification with Snapshot, Video Pop-up, Audio Alarm and Buzzer Notifications

PROBLEM: Disparate Security Solutions

SOLUTION



Integration

Allows Database Level Integration with Access Control



Interoperability

Supports Connection of all ONVIF, RTP or RTSP Compliant Cameras with Matrix Video Recorders

IP SOLUTION: NETWORK VIDEO RECORDERS

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 and Storage capacity: 24TB

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.

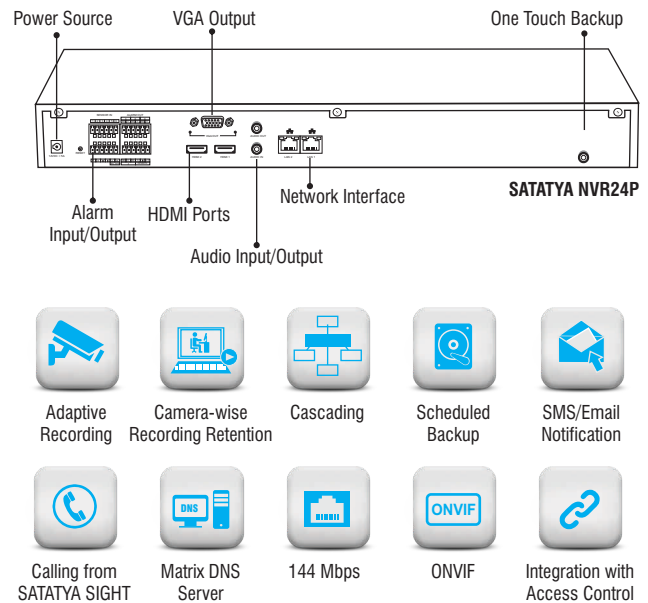
Throughput: 256Mbps and Storage capacity: 24TB

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 and Storage capacity: 12TB

Matrix SATATYA NVR8S is an 8 channel Network Video Recorder designed for SOHO and SME organizations.

Throughput: 48Mbps and Storage capacity: 6TB



IP + ANALOG SOLUTION: HYBRID VIDEO RECORDERS

SATATYA includes a range of 8 and 24 channel standard and premium variants of Hybrid Video Recording solutions. As the video surveillance security is moving from Analog to IP technology, users are getting greater flexibility to strengthen their security cover. Both the Analog and IP solutions offer distinct advantages suitable for their specific application areas. However, migration from Analog to IP demands infrastructural changes. Under such circumstances, users need a solution that bridges the technological divide between Analog and IP by delivering hybrid recording capability which meets the requirements completely.

SATATYA HVR0408P

4 Analog Channels, 8 IP Channels, Total 8 Channels

Throughput: 48Mbps and Storage Capacity: 1 SATA Port, 6TB

SATATYA HVR0824P

8 Analog Channels, 24 IP Channels, Total 24 Channels

Throughput: 144Mbps and Storage Capacity: 4 SATA Port, 24TB

SATATYA HVR1624P

16 Analog Channels, 24 IP Channels, Total 24 Channels

Throughput: 144Mbps and Storage Capacity: 4 SATA Port, 24TB

SATATYA HVR0408S

4 Analog Channels, 8 IP Channels, Total 8 Channels

Throughput: 48Mbps and Storage Capacity: 1 SATA Port, 6TB

SATATYA HVR0824S

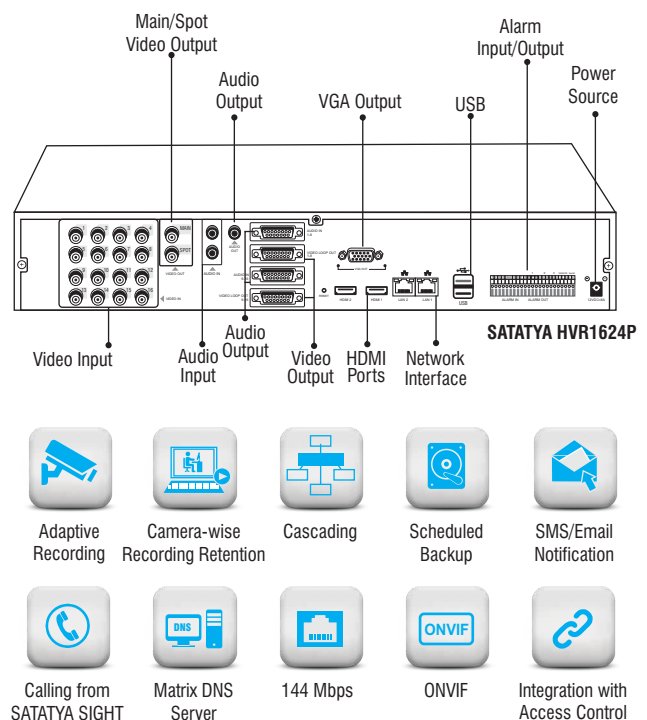
8 Analog Channels, 24 IP Channels, Total 24 Channels

Throughput: 144Mbps and Storage Capacity: 1 SATA Port, 6TB

SATATYA HVR1624S

16 Analog Channels, 24 IP Channels, Total 24 Channels

Throughput: 144Mbps and Storage Capacity: 1 SATA Port, 6TB



TECHNICAL SPECIFICATIONS

		SATATYA NVR8S	SATATYA NVR24P	SATATYA NVR64S	SATATYA NVR64P	SATATYA HVR0408S	SATATYA HVR0824S	SATATYA HVR1624S	SATATYA HVR0408P	SATATYA HVR0824P	SATATYA HVR1624P
Video	Analog Channels	x	x	X	X	4	8	16	4	8	16
	IP Channels	8	24	64	64	8	24	24	8	24	24
	Total Channels	8	24	64	64	8	24	24	8	24	24
	VGA Main	1	1	1	1	1	1	1	1	1	1
	HDMI Main	1	1	1	1	1	x	1	1	1	1
	HDMI Spot	x	1	x	x	x	x	x	x	1	1
	CVBS Main	x	x	x	x	x	x	x	x	1	1
	CVBS Spot	x	x	x	x	x	1	1	1	1	1
	Loop Output	x	x	x	x	x	x	x	x	8	16
Audio	Input	x	1	1	1	x	2	2	2	8	16
	Output	x	1	1	1	1	1	1	1	1	1
Alarm	Input	x	8	4	4	X	4	4	2	8	8
	Output	x	4	2	2	x	1	1	1	3	3
Storage	SATA Ports (6TB Per Port)	1	2	4	4	1	1	1	1	4	4
Interfaces	10/100Mbps Adaptive Interface	1	x	x	x	1	x	x	1	x	x
	Gigabit Ethernet Interfaces	x	2	2	2	x	1	1	x	2	2
	USB Ports	2	4	4	4	2	2	2	2	4	4
	RS-485	x	1	x	x	1	1	1	1	1	1

MATRIX SATATYA VIDEO SURVEILLANCE SOFTWARE SOLUTIONS

SATATYA DEVICE CLIENT: WEB CLIENT FOR VIDEO RECORDERS

Remote viewing and monitoring of an organization is of very high importance for any owner. The SATATYA Web Client helps in monitoring the NVRs or HVRs even when the owner is not on the premises. This helps in increasing productivity, efficiency and discipline of the organization.

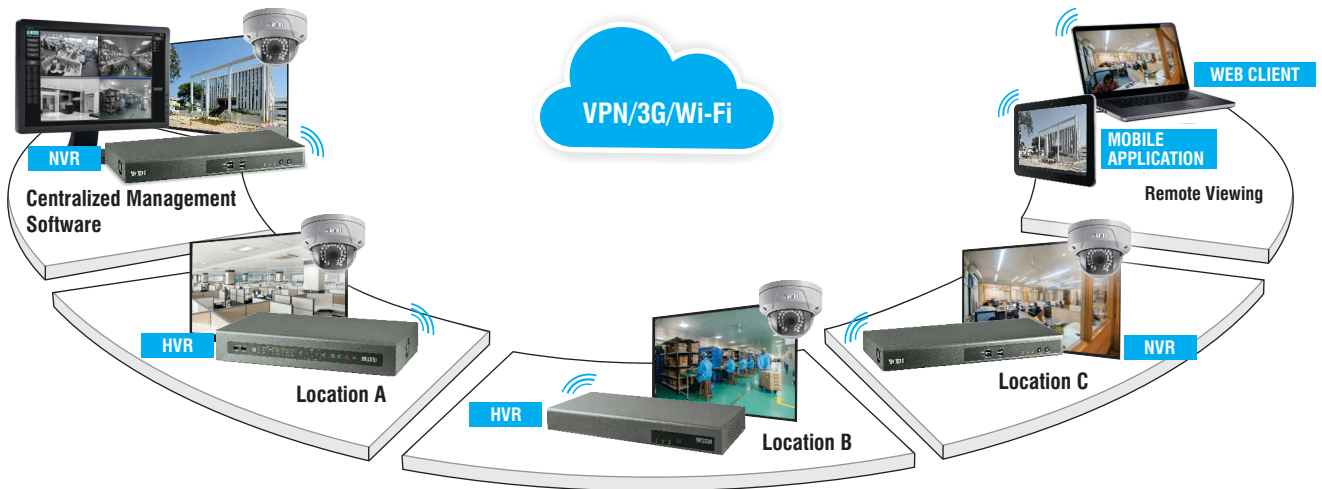
Key Features

- View and Configure a SATATYA NVR or HVR
- Synchronous/Asynchronous Playback
- Playback from Event Log
- Configure Device Monitor
- Health Status of Connected Device
- Camera wise Recording Retention
- Camera wise Backup Retention
- Camera wise Constant and Variable Bit Rate
- Camera wise Storage and Scheduled Backup
- SMS and Email Notifications
- Camera, Device and Sensor Event Alerts
- Add Multiple Devices from Web Client
- Storage Calculator
- User Access Rights
- Integration with Access Control



SATATYA CORE: CENTRALIZED MANAGEMENT SOFTWARE (CMS)

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. The various features offered by SATATYA CORE are as below:



Key Features:

- Addition of Multiple NVRs and HVRs
- Viewing of 36 Cameras Simultaneously
- Custom Sequencing of Cameras over 10 Pages
- Centralized Recording Plan
- Monitoring Plan
- Camera Grouping
- Camera-wise Recording and Backup
- Synchronous Playback
- Event Log Search
- Audio Visual Alerts
- Video Display Alerts
- User Access Rights
- Intelligent E-map
- Integration with Access Control

SATATYA SIGHT: MOBILE APPLICATION

SATATYA SIGHT is a mobile application for Matrix Video Surveillance which permits organizations to monitor and manage their premises remotely. To further enhance the remote viewing experience for an enterprise level user, SATATYA SIGHT provides more flexibility and enhanced security with the features it offers.

Key Features

- Addition of up to 50 Devices
- Scene can be Viewed either in Mainstream or Sub-Stream
- Playback of Recorded Data
- Favorite Channel
- Digital Zoom
- PTZ Control
- Calling per Channel in Case of any Event



SATATYA CAMERAS

Matrix SATATYA IP IR Bullet and IR Dome cameras come in variants of 1.3MP, 2MP and 3MP cameras. These cameras provide higher image quality along with various features like In-built Video Analytics, NAS Support, Multiple Streams, etc. These features fulfil various indoor and outdoor purposes of enterprises with branches at multiple locations, Manufacturing Units and Hospitality Industry where higher security is essential.

PROBLEM: High Bandwidth and Storage Costs

SOLUTION



Adaptive Streaming

Records at Lower Bit Rate during Non-activity Period



Smart Streaming

Divides a Single Stream into Images of Different Qualities based on its Importance



Region of Interest (ROI)

Streaming and Recording of only Critical Areas



SD Card Support

Record, Store, Playback and Download Files Directly from 128GB SD Card



NAS Support

NAS offers Centralized Storage

PROBLEM: Reactive Security

SOLUTION



Trip Wire

Notifications on Object/Person Crossing a Line in a Defined Direction



Intrusion Detection

Notifications on Intrusion of any Object/Person in a Defined Area

PROBLEM: Lack of Control

SOLUTION



Auto Configuration of Cameras

Automatically Adds Cameras to Video Recorders in the Defined IP Range



e-PTZ

Allows Virtual Pan, Tilt and Digital Zoom of Selected Critical Areas for Closer Inspection

3MP IP CAMERAS

SATATYA CIBR30FL36CG

3MP IR Bullet Camera, 3.6mm Focal Length

SATATYA CIBR30FL60CG

3MP IR Bullet Camera, 6mm Focal Length

SATATYA CIDR30FL36CW

3MP IR Dome Camera, 3.6mm Focal Length



Key Features

- Adaptive Streaming
- Smart Streaming
- ROI
- e-PTZ
- Four Stream Support
- PoE
- Edge Recording
- 2 IR Array LEDs, IR Distance Coverage of up to 30m

2MP IP CAMERAS

SATATYA CIBR20VL12CWP

2MP IR Bullet Camera, 2.8-12mm Varifocal Lens

SATATYA CIDR20VL12CWP

2MP IR Dome Camera, 2.8-12mm Varifocal Lens



Key Features

- In-built Analytics: Intrusion Detection and Trip Wire
- Dual Stream Support
- SD Card Support
- Audio In/Out
- Alarm In/Out
- Network Drive Storage
- PoE
- CE, FCC, RoHS, IP66, IK10 and UL Certified

1.3MP IP CAMERAS

Matrix SATATYA 1.3MP IP cameras come in 4mm and 6mm IR Bullet and 4mm IR Dome variants and are designed to cover a IR distance of 20-30 meters.



Key Features

- In-built Analytics: Intrusion Detection and Trip Wire
- H.264/M-JPEG Video Compression
- Dual Stream Support
- 30 IR LEDs, IR Distance Coverage of up to 30m
- IR Cut Filter with Auto Switch
- Network Drive Storage
- 10/100 Mbps Ethernet Interface
- CE, FCC, RoHS, IP66, IK10 and UL Certified

2MP PTZ CAMERA: SATATYA CIDRP20VL130CW

Matrix SATATYA IP PTZ camera comes with a varifocal lens of 4.3-129mm which can cover an IR range of 100m. Furthermore, this camera also has 30x optical zooming capabilities which allow closer inspection.



Key Features

- In-built Analytics: Intrusion Detection and Trip Wire
- 30x Optical Zoom, 4.3-129mm Varifocal Lens
- 6 Piece IR Array LEDs with IR Distance of 100m
- 1 Audio Input & 1 Audio Output
- 1 Alarm Input & 1 Alarm Output
- H.264/M-JPEG, Quad Streams
- 64GB SD Card
- IP66, TVS 4,000V Lightning Protection
- CE, RoHS and UL Certified

IP CAMERAS: SPECIFICATIONS

	SATATYA CIDR13FL40CW	SATATYA CIBR13FL40CW	SATATYA CIBR13FL60CW	SATATYA CIDR20VL12CWP	SATATYA CIBR20VL12CWP	SATATYA CIBR30FL36CG	SATATYA CIBR30FL36CW	SATATYA CIDR30FL60CG	SATATYA CIDRP20VL130CW
Type of Camera	IR Dome	IR Bullet		IR Bullet				IR Dome	PTZ
Resolution	1.3MP			2MP	2MP	3MP			2MP
Image Sensor	1/3" DIS								1/2.8" DIS
Lens Size	4mm		6mm	2.8mm-12mm		3.6mm		6mm	4.3 - 129mm
IR Camera Range	20-30m								100m
Certifications	CE, FCC, RoHS, IP66 and IK10	CE, FCC, RoHS, IP66		CE, FCC, RoHS, IP66 and IK10		-			IP66, TVS

SATATYA PSBB150W : Power Supply with Battery Backup

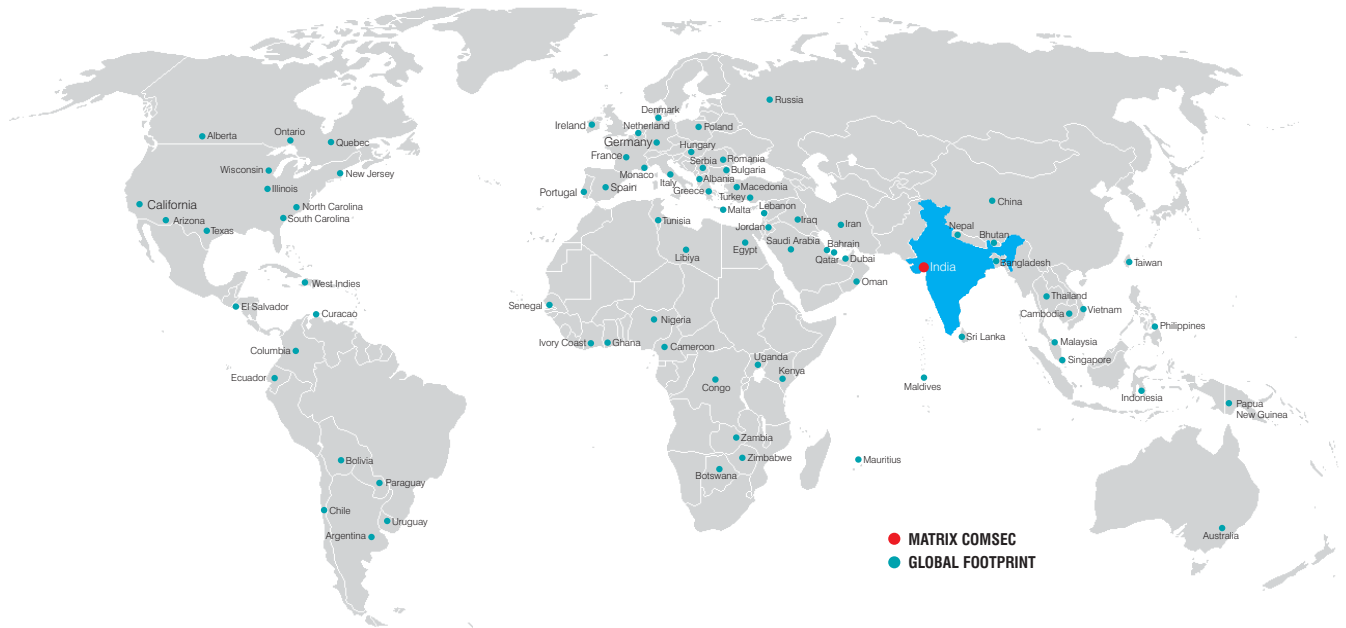
With built-in power supply and batteries, Matrix SATATYA PSBB150W ensures uninterrupted video surveillance even during power outage. It is designed to feed power to NVRs, HVRs and cameras.

Key Features:

- Suitable for NVRs, HVRs, IP and Analog Cameras
- Power Rating: 150W
- Provision for 12V, 7AH X 2 Batteries (Supplied without Batteries)
- Backup Time of 1.5 to 3 Hours (Depending on Load)
- Wide Input Voltage Range
- Short-circuit Protection



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
- NIIT

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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Due to continuous technology upgradations, product specifications are subject to change without notice.