

Enhancing Security with Matrix Video Surveillance Systems



Importance of Video Surveillance



Centralized Surveillance



Safety of People



Safety of Assets



Enhanced Productivity



Crime Prevention



Evidence Gathering



Ensure Compliance



Proactive Surveillance



Peace of Mind



Real-time Alerts and updates



Matrix Video Surveillance Offering



IP Cameras – Bullet, Dome, Turret, Turret All Color, Ruggedized, and PTZ



Network Video Recorders – NVRXS, NVRX, NVRXCTS



SATATYA SAMAS Video Management System



SATATYA Sight / Vision



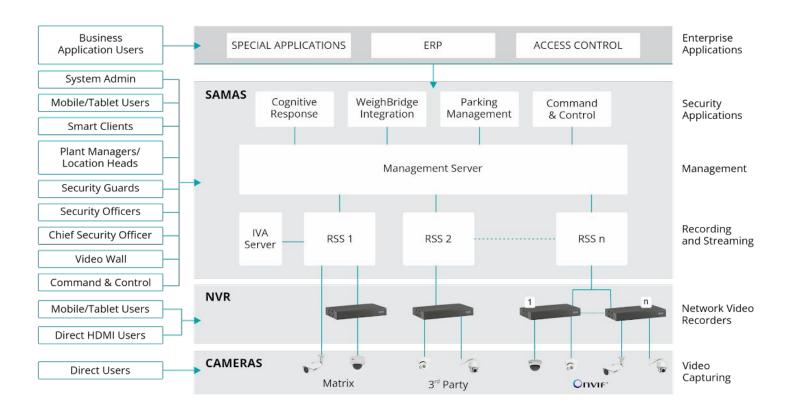
Matrix SATATYA IP Video Surveillance



IP Cameras Network Video Recorders **Enterprise Network Video Recorders Video Management Software Mobile Applications**

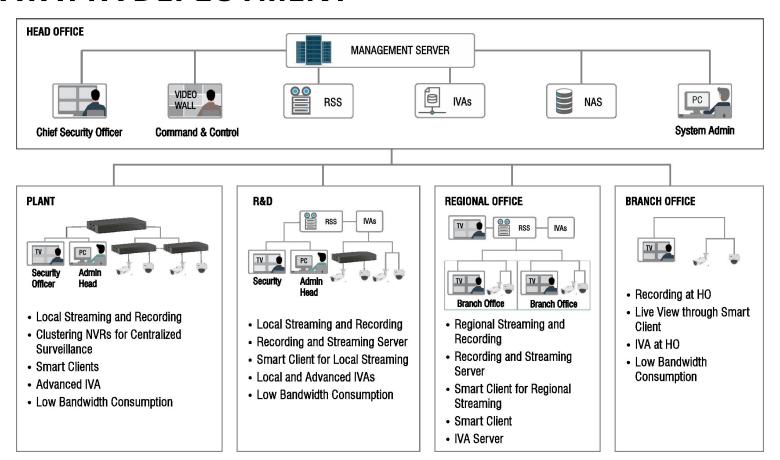


SATATYA ARCHITECTURE





SATATYA DEPLOYMENT







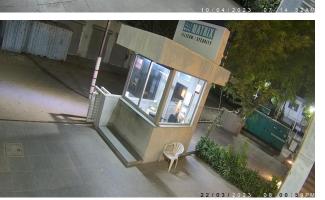
SATATYA IP CAMERAS





Camera Key FeaturesSuperior Image Quality in Day/Night







SONY STARVIS Sensors reduce noise, enhance Low-light Imaging Clarity



Clear Colored Imaging, even in Low Illumination Conditions (0.01 Lux)



Camera Key Features







Adjusts exposure for balanced brightness with 120dB WDR precision







Cuts frame rate in idle times, saving up to 50% storage



STQC Certified Cyber Secure Cameras





First Indian Company to Manufacture RDSO 6.0 Compliant Cameras



The Video in Transit Remains Secure With Transport Layer Security (TLS)



SD Card Data Encryption to Secure Data Stored



The system permits only signed firmware; and includes tamper-proofing, secure boot, and more

















Alerts and Notification



Project and Distribution Series

Bullet/Dome Cameras



Varied Specifications - 2MP/5MP/8MP Resolutions, Flexible Lens Options, and Audio Capabilities







Project and Distribution Series Cameras: IR range 50m/30m, improved day/night coverage.







Project Series Cameras: UL and NEMA 4x Certification Ensuring Reliable Surveillance



Intelligent Video Analytic Features for Proactive Surveillance



TURRET SERIES IP CAMERA









Ball and Socket Design: Manual Rotation to Capture Images from Different Angles



External Reset Switch for Ease of Use and Maintenance



Sturdy ADI Casing Makes them Impactresistant and Vandal Proof and the Unique Chambered Design Cuts IR Glare



Recently Launched All Color Variants for Colored Images, Day and Night



PTZ SERIES IP CAMERAS









2MP Camera – 25x, 33x Optical Zoom; 5MP Camera – 42x Optical Zoom



Auto Patrolling – Up to 500 Presets, 8 Auto Scan



Revolutionary Night Performance with IR Range of 300m



Privacy Masking of up to 24 regions from Camera View



RUGGEDIZED IP CAMERAS



Available in 2MP and 5MP Variants







Rugged Design Minimizes Impacts, Shocks, and Vibrations, Best Suited for Transport Industry







Electronic Image Stabilization Combats Motion-induced Blurring and Give Sharp Images even When in Motion



Reliable Functioning in Extreme Conditions – Dust, Humidity, Snow, Heat, Power Fluctuations





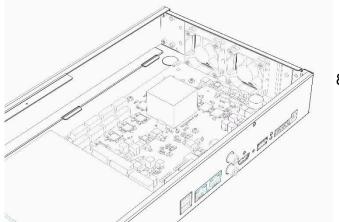
SATATYA NETWORK VIDEO RECORDERS



Extreme Series
Network Video Recorders
8/16/32/64/96 Channel Variants



Extreme Series
Network Video Recorders XS
4/8/16 Channel Variants





NVR KEY FEATURES Clustering



Links up to 20 NVRs Using a Master and Slave Configuration





Monitors 1000+ Cameras from a Central Location



Saves Software and Server Cost



Ideal Solution for SMEs, Railways, Airports, and many more







12MP Camera Recording Capacity



4K Decoding Capacity



Up to 1GBPS Throughput*



Interoperability



Database- level integration with Matrix Access Control







Alerts and Notifications



0/1/5/10 RAID Support*



Calling from Mobile



Camera-wise Recording Retention



Adaptive Recording

Matrix Network Video Recorders Extreme







NVR variants: 8/16/32/64/96 channels for diverse surveillance requirements



SATA ports: Support 10TB storage (8/16/32/64 ch); 144TB (96 ch)



Throughput: 360/512 Mbps, 1Gbps for Smooth Streaming



RAID Support 0,1,5,10 (Variant Specific; Refer Datasheet)



NVRXS KEY FEATURES



Fan less and Ventless Design for Silent Operations





4/8/16 Channel Support, 1 SATA Port HDD Support (10TB)





360 Mbps Throughput Capacity



Single Disk RAID Support





ENVR KEY FEATURES



Enterprise-class Server-based Video Surveillance Solution with Inbuilt Video Management Software





Highly Scalable and Flexible to Integrate with Various Open Platforms



No Need to Invest Separately in VMS, Servers, and NVRs



Redundancy Support – Power, Network, Storage, Recording and Streaming



ENVR KEY FEATURES



H.265 Video Compression Technology to Optimize Storage



3 Level Video Grooming - Primary and Two Levels of Backup and Archive



Hot Swappable Hard Disk Drives for Easy Maintenance with Zero Down Time



Data Secure Surveillance Compliant with OWASP





KEY FEATURES ENVR



256 Channel



144TB Storage



12MP Camera Recording



Interoperability



1GBPS Throughput



Streaming Support up to 3GBPS



Decoding Capacity



Integration





SAMAS BUILDING BLOCKS

Management Server

- System Admin Assigns Users Roles-Rights
- Devices Management (RSS, NVR, Camera)
- Data Management and Integration

System Admin Client

- Users and Device Management
- Storage and Backup
- System Alerts and Maintenance

Mobile Client

- Mobile Application
- Live View
- Playback

Recording and Streaming Server (RSS)

- Video Streams from Cameras and NVRs
- Storage, Backup, Archiving
- Live Streaming and IVA Integration

Smart Client

- Live View, Playback, and Investigation
- Events, Alerts, and Pop-ups
- Reports and Analytics

Media Client

- Transient Users without Log-in Rights
- Video Access



SAMASKEY FEATURES



Centralized Monitoring and Control



- Monitoring Multiple Locations Centrally
- Mapped to Organization Structure and Hierarchy
- Quick Response Time
- Reduced Security Lapses



Scalable to Meet Future Requirements

- Scalable up to 65535 IPC over 255 RSS
- Can Connect up to 10,000 Locations
- Recording Servers
- Up to 1000 Concurrent Users



SAMAS KEY FEATURES



User-Based Roles and Rights



- Monitoring Multiple Locations Centrally
- Mapped to Organization Structure and Hierarchy
- Quick Response Time
- Reduced Security Lapses



Integrated Video Surveillance

- Single Platform for all Security Devices
- Supports Matrix and Third-Party IPC and NVRs
- Single Platform for Peripheral Security Devices
- API Integration with Matrix Access Control System



SAMAS KEY FEATURES



Command and Control



- Video Walls, Hierarchical E-map, Evidence Locks
- · E-map to Navigate Buildings, Floors, and Camera
- Monitor Cameras and Sensors on The Premises
- Prompt Navigation, and Timely Notification

Redundancy



- Failover Server Deployment at Critical Locations
- Server Redundancy: Deploy Multiple RSS
- Network Redundancy: Configure Multiple ISPs
- Edge Recording: Local Recording in Case of Network Failure



SATATYA KEY FEATURES





Optimize Bandwidth and Storage

- Configure Different Stream Profiles as per Usage
- Recording, Local, and Mobile View to Optimize Bandwidth
- Configure Different Profiles for Different Usage



Enterprise Intelligent Video Analytics

- Moton and No-motion Detection
- Tripwire, Tampering, Intrusion, Tailgating
- Weighbridge, ANPR, and Parking Management
- Eliminates Human Lapses





SAMAS SOLUTIONS -Cognitive Response Engine with Automated Monitoring (CREAM)





Automates Routine Surveillance Workflow and Activities



Preventive Security with Consistent Response



Overcomes Human Constraints, Lapses, and Delays



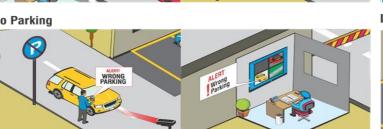
Create Customized Scenarios with Input Triggers, Real-time Analysis, and Desired Responses



SAMAS SOLUTIONS – VEHICLE TRACKING AND PARKING MANAGEMENT

- Automates Routine Functioning of Parking lots
- End-to-end Centralized Parking Management Solution
- License Plate Recognition, Prohibited Parking, Wrong way Parking, Unauthorized Parking, and more

Entry or Exit of Vehicles No Parking



Unauthorized Parking



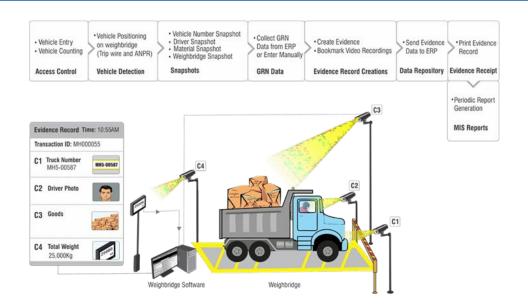
Improper Parking





SAMAS SOLUTIONS – WEIGHBRIDGE INTEGRATION

- Pictorial Evidence of Inward and or Outward Vehicles
- Mapping License Plates, and Challan Numbers, for Verification
- Transparency in Weighment Solutions
- Seamless Integration with ERP through API



























CUSTOMER STORIES



SUCCESS STORIES: IDP EDUCATION LTD

Challenge:

- Real-time Images
- Validation of Candidates
- Image Capturing
- Centralized Monitoring

Solution Offered:

- Video Management System (SAMAS)
- PTZ Cameras

Benefits:

- Clear Visibility and
- Address Alerts Quickly
- Evidence Guarantee
- Ease of Management

Matrix Offering:

- SAMAS with 70 User License
- 66 Cameras



SUCCESS STORIES: LENSKART PVT LTD

Challenge:

- Centralized Monitoring and Control
- Storage for More No. of Days
- High Storage Costs

Solution Offered:

- IP Cameras
- Network Video Recorders (NVR)

Benefits:

- Prevention of Retail Crime: Shoplifting, Vandalism
- Enhanced Security and Compliance
- Centralized Control

Matrix Offering:

- IP Cameras: 200+
- Recording Devices: 50+



SUCCESS STORIES: JAMMU AND KASHMIR POLICE

Challenge:

- Need for Centralized Monitoring
- Local Recording of Footage
- Surveillance on the Go

Solution Offered:

- 5MP Cameras FL and MVL,
- 2MP PTZ Camera with 33x Optical Zoom
- NVR
- VMS

Benefits:

- Centralized Access from Commissioner's Office
- Local Recording of Footage
- Access and Notifications on Mobile

Matrix Offering:

- 8 Channel NVRs 13 Nos
- 5MP Fixed Lens Cameras 27 Nos
- 5MP MVL Cameras 6 Nos
- 2MP PTZ Cameras with 33x Optical Zoom
- VMS



SATATYA CUSTOMERS

BFSI

- Vaijapur Merchant Bank
- Commercial Bank of Congo
- National Health Insurance Fund Tanzania

Construction

- Rustomjee Crown Project
- Panchsil Group
- Prestige Jindal City
- Infocare Tower
- Bhartiyar City
- Branded Residences Project
- RRVP Banglore
- L&T Construction Commnet

Education

- IDP Education India Pvt. Ltd
- Global Academy
- CHH. Shahu College of Engineering
- TATA Institute of Fundamental Research (TIFR)
- Chikkaballapur Medical College

Government

- The Gujarat Cancer and Research Institute
- Western Central Railways
- Genova Piazza Principe Railway Station Italy

Hospitals and Healthcare

- Krsnaa Diagnostics
- TATA Memorial Centre
- Nanavati Hospital Max

IT/ITES, Retail

- Lenskart
- Bluebirch
- BioSense Institute Serbia
- AL Adrek

Who We Are



1M+ Customers



4K+ Partners



50+ Countries



24*7 Support



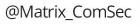
40+ Awards













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THANK YOU!



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