



# MATRIX SATATYA NETWORK VIDEO RECORDERS



SECURITY

# AGENDA

- ❖ Overview
- ❖ NVRX Series
- ❖ Key Features
- ❖ Technical Specifications
- ❖ Contact Us



# MATRIX SATATYA OVERVEIW

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# THE VIDEO SURVEILLANCE MARKET

## Overpriced Brands

- Very Expensive Products
- Smaller Market and Difficult to Sell
- Slow Sales Cycle
- Brand over Product Performance

- High Profits and Less Competition
- Gain Customer Loyalty
- Value for Money
- Quick Support
- Faster Sales Cycle

## Matrix SATATYA

## Cheap Products

- Low Profits and Very High Competition
- Loss of Your Credibility
- Lose Customer in the Long Run
- Inferior Quality and Lack of Support

# 3-Dimensional Benefits of Matrix Video Surveillance




Reduction in Solution Cost

Improved Productivity

Simplicity of Management

Better Reliability

Greater Visibility & Control



Enhanced Security

Improved Safety



Proactive Solution



# MATRIX SATATYA NVR HARDWARE SPECIFICATIONS

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# HARDWARE SPECIFICATIONS



Higher Decoding Capacity



Higher Throughput  
(512Mbps)

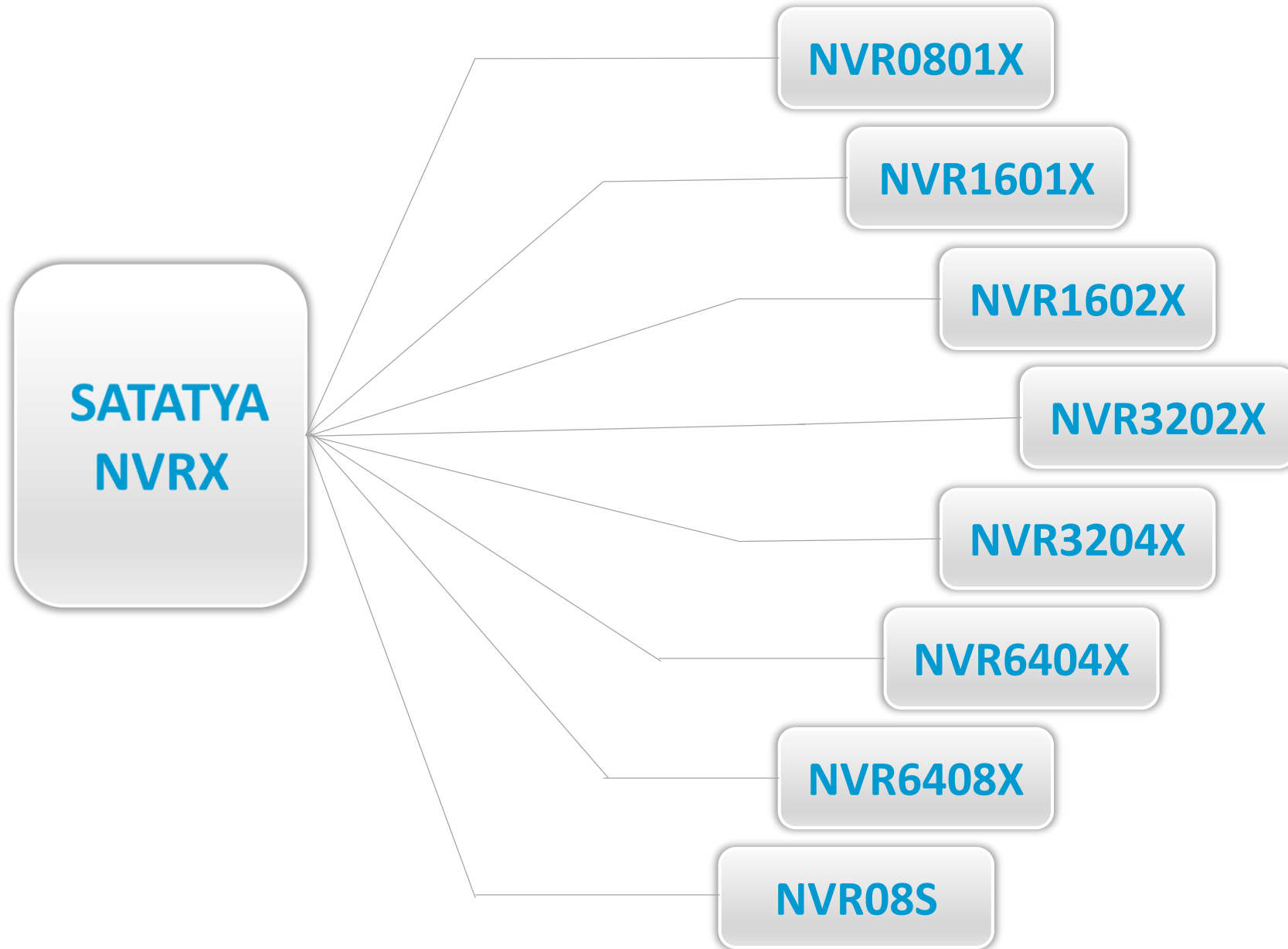


Raid 5, Raid 10 Support with  
High Storage HDD Ports  
(10TB Each)

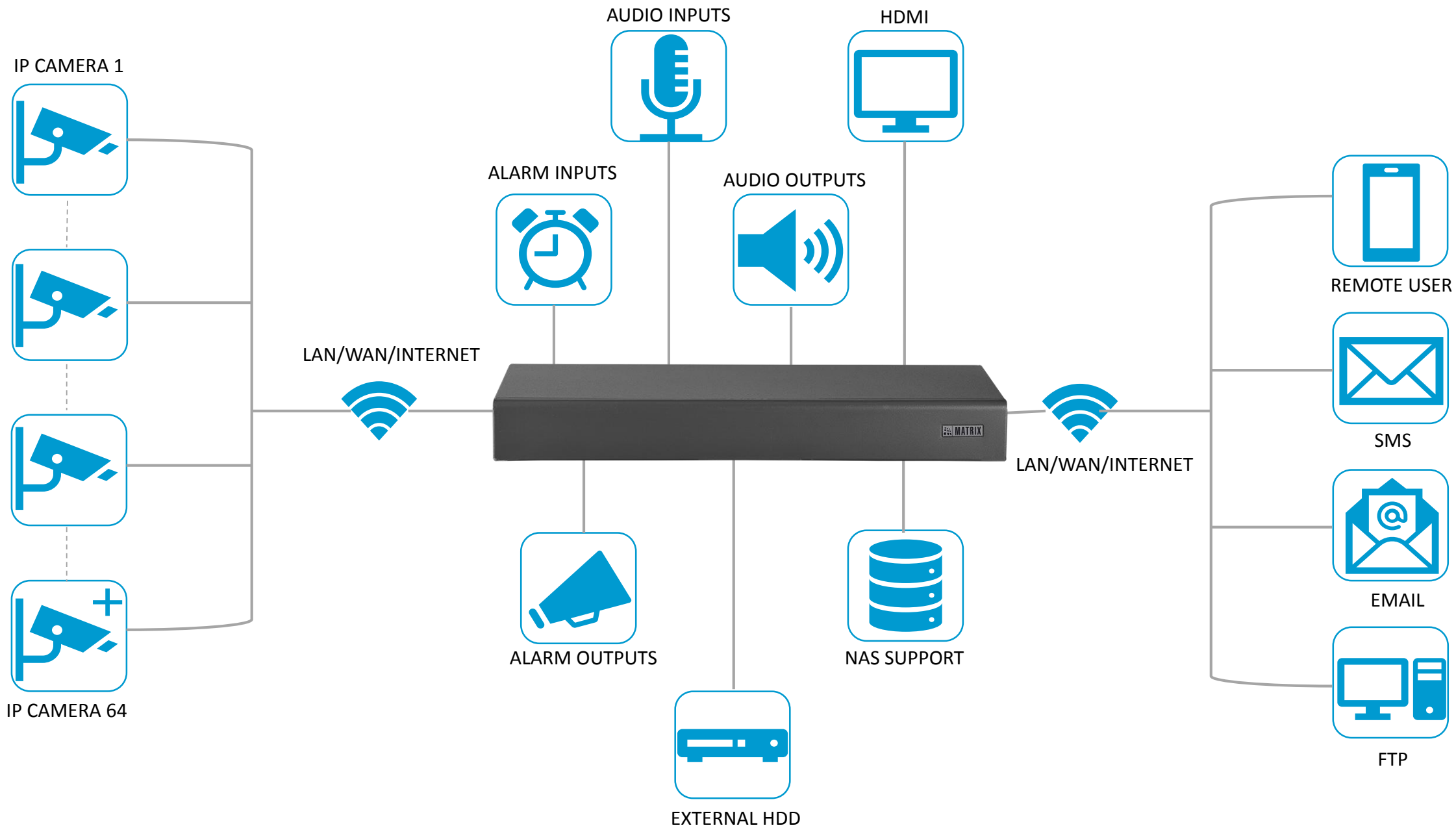


Up to 12MP Camera  
Recording

# SATATYA NVR PRODUCT RANGE



# CONNECTIVITY DIAGRAM





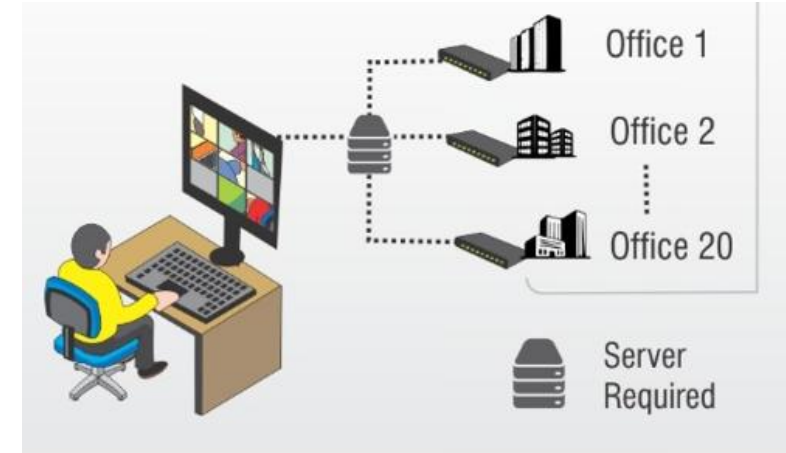
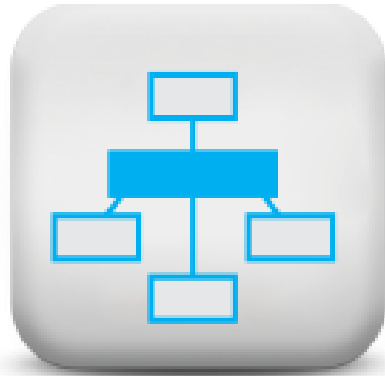
## MATRIX SATATYA NVR KEY FEATURES

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# CENTRALIZED MONITORING

- Bring all the connected devices in a single network and mark one NVR as the Master NVR. Connect up to 19 Slave devices.
- Locally monitor all the cameras connected in the network with a single device, eliminating the need of a server.

## Cascading



Other Solution



Matrix Solution

# FLEXIBLE DATA STORAGE

- Camera-wise flexibility to assign number of retention days as per the importance of camera
- Enables user to take backup of recordings of various cameras manually or as scheduled on NAS or FTP

Camera-wise Recording  
Retention



Scheduled Backup



## OPTIMIZED STORAGE

- Achieve optimized storage on HDD
- Saves storage up to 50 percent

Adaptive Recording



H.265 Compression



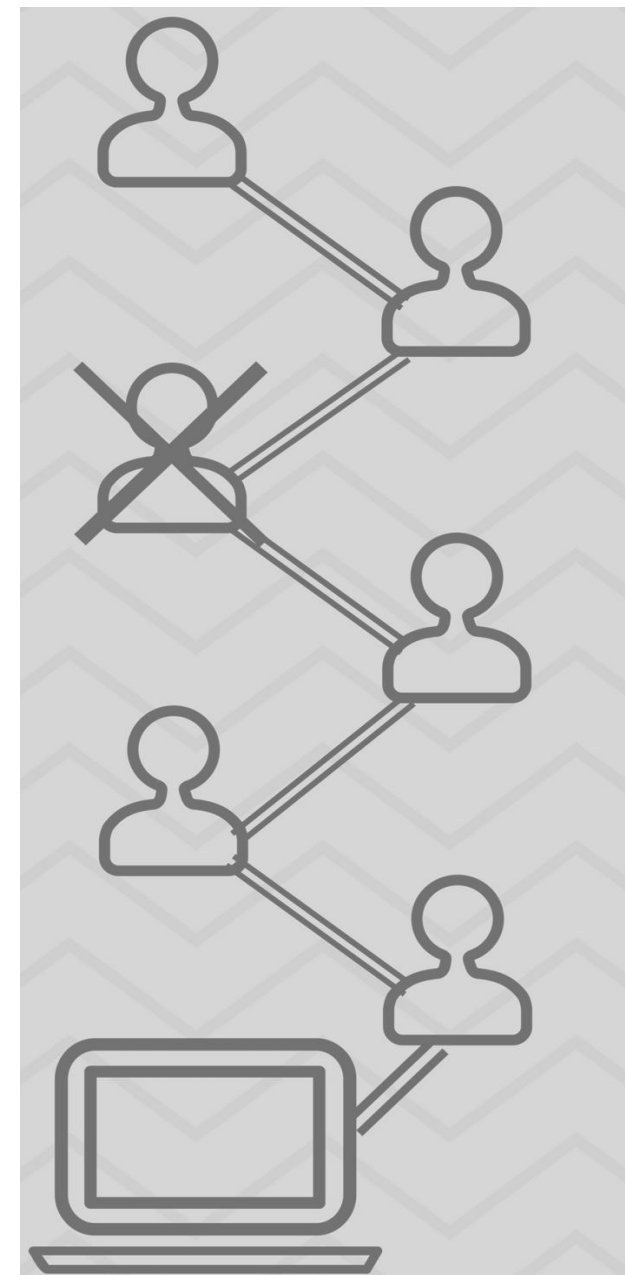
## DATA SECURITY

- Three authorization access levels for users: Administrator, Operator and Viewer
- Deny/allow selected or series of IP/Mac addresses from accessing the data

User Based Rights



IP/Mac Address Blocking



## QUICK INVESTIGATION

- Timeline and Event Based Search via different color codes for different events

Synchronous Playback



Asynchronous Playback



# PROACTIVE SECURITY

- Notification to any person irrespective of his location in real-time
- Calling from Mobile App to make calls to the person whose number has been linked to camera in the SATATYA NVRs

Instant Notification



Calling from Mobile App



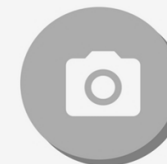
## REAL TIME NOTIFICATIONS

SMS ALERT



EMAIL WITH  
SNAPSHOT

BUZZER  
NOTIFICATION



RECORDING ON  
SELECTED  
CHANNELS

UPLOAD  
IMAGES ON  
FTP/NETWORK  
DRIVE



## TWO WAY COMMUNICATION

- Allows listening to Audio from the Camera's end as well as enables speaking to the Camera

Two Way Audio



# RELIABILITY

- Provides functioning status of cameras and devices in less than 5Kbps

TCP Based Health Status



## OPEN PLATFORM

- Viewing and Playback of cameras can be done on Windows and Mac OS with Multi OS Client Support
- All ONVIF or RTSP compliant cameras can be connected to Matrix devices

Multi OS Support



ONVIF





# MATRIX SATATYA TECHNICAL SPECIFICATIONS

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# NVRX SPECIFICATIONS



SECURITY SOLUTIONS

[Click on Device Name for Technical Specifications](#)

MATRIX NVRX		NVR0801X	NVR1601X	NVR1602X	NVR3202X	NVR3204X	NVR6404X	NVR6408X
<b>Video</b>	IP Channels	8	16	16	32	32	64	64
	HDMI Main	1	1	1	1	1	1	1
	Input	1	1	1	1	1	1	1
	Output	1	1	1	1	1	1	1
<b>Audio</b>	Input	2	2	2	2	2	2	2
	Output	1	1	1	1	1	1	1
<b>Alarm</b>	SATA Ports (10TB Per Port)	1	1	2	2	4	4	8
	Raid Support	Single Disk	Single Disk	Raid-0, Raid-1	Raid-0, Raid-1	Raid-0,1,5,10	Raid-0,1,5,10	Raid-0,1,5,10
<b>Storage</b>	10/100/ 1000 Mbps Adaptive Interface	1	X	X	X	X	X	X
	Gigabit Ethernet Interfaces	X	2	2	2	2	2	2
<b>Interfaces</b>	USB Ports	1	1	3	3	3	3	3



# MATRIX SATATYA FEATURE LIST

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# FEATURE 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.265, 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

\*As per camera properties

# FEATURE LIST

## **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 (ACS)

## **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

\*As per camera properties

# FEATURE LIST

## 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

\*As per camera properties

# FEATURE LIST

## **Device Client**

- Different Layout Styles
- Asynchronous/ Synchronous Playback
- Camera wise Recording, Backup and Storage
- Main Stream and Sub Stream Options
- Camera and Event wise Actions
- Broadband and Static Routing Options
- IP and MAC Address Filtering
- User Account Management

## **Mobile Client**

- Support up to 50 SATATYA Devices
- 2\*2 Layout in Live View
- Remote Control for PTZ Cameras
- Device and Camera Configuration
- Playback of Recorded Files
- Favorite Channel Snapshots
- Calling a Concerned Personnel in case of any Event

# CONTACT US

**For further information:**

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