

# SATATYA NVR9608X P2

96 Channel NVR with 8 SATA Ports



- **Compression:** H.265
- **Decoding:** 4K
- **Channel:** 96 Channels
- **Storage:** 8 SATA Port (18TB each)
- **Throughput:** 512/ 512Mbps

Matrix NVRs are packed with high end processors to deliver all the functionalities like high resolution recording, playback, simultaneous local and remote monitoring along with storing for higher number of days. Furthermore, these latest NVRs are also backed with an intelligent software to detect threats and send instant notifications for real-time security.

All in all, these comprehensive, flexible, reliable, integrated NVRs provide a proficient, persistent and a preventive security solution suitable for enterprises and multi-location offices.

## KEY FEATURES

H.265

H.265 Compression

4K  
DECODING

4K Decoding

12  
MEGA  
PIXELS

12MP Recording Capability



Cascading



Adaptive Recording



Camera-wise Recording Retention

## CERTIFICATION



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TECHNICAL SPECIFICATIONS	
<b>VIDEO</b>	
Input	96 IP Channels
Output	HDMI (2.0) – 1 Port (Main)
HDMI Resolution	1280x720 1920x1080 3840x2160
Compression	H.265/H.264/ Motion JPEG
<b>AUDIO</b>	
Input	1 Channel, RCA Port(2.0Vp-p), Range (-2dBu to 22dBu)
Output	1 Channel, RCA Port Mono, Unbalanced output, (2.0Vp-p), Range (-2dBu to 22dBu)
Compression	G.711 $\mu$
Two-Way Audio	Yes
<b>THROUGHPUT</b>	
Downlink Throughput	512 Mbps Following Scenarios are Considered: 1. Cameras Streaming to Device 2. Cameras of Cascaded Devices are Being Viewed on HDMI 3. Streaming from NAS for Local/Web Client
Uplink Throughput	512 Mbps Following Scenarios are Considered: 1. Cameras Streaming to Web Client 2. Storage or Backup to NAS 3. Streaming to VMS
Simultaneous Log-in	9+1(Admin)
<b>DISPLAY</b>	
Split (Through LAN/HDMI)	1x1, 2x2, 3x3, 4x4, 1+5, 1+7, 3+4, 2+8, 1+12, 1 $\odot$ +12, 1+9, 4+9,2+12, 5x5, 6x6, 8x8 and Sequential
Local Decoding	4x 4K/ 10x 3MP/ 16x 1080P
Snapshot	Yes
Multiple Camera Viewing	Through Cascading (up to 20 Devices)
OSD	Channel Number and Name, Status, Video Loss, Recording and Disabled Channel (As per camera support)
<b>RECORDING</b>	
Image Resolution	12MP, 8MP, 5MP, 4MP, 3MP, 2MP, 720P, D1, CIF
Pre-Record	Up to 30 Sec
Post-Record	10-300 Sec
Snapshot Format	JPEG
Recording Format	Native
Recording Types	Scheduled, Manual, Alarm and COSEC
<b>STORAGE AND BANDWIDTH OPTIMIZATION</b>	
Adaptive Recording	Automatically Reduces the Number of Frames Captured Per Second Where There is No Motion, Thereby Saving Storage Space.

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Bandwidth	Automatically Adapts Optimized Resolution on Local Display Through HDMI
<b>PLAYBACK AND BACKUP</b>	
Synchronous Playback	16 Channels @ 1080P (via. HDMI)
Search Mode	Date and Time, Camera, Recording Type, Recording Drive
Playback Modes	Fast Forward, Slow Forward, Slow Reverse, Fast Reverse at Different Speed Control, Next-Previous Frame
Backup	Manual Backup over USB and NAS, Scheduled Backup over USB, NAS and FTP Scheduled Backup over USB through USB2.0 Interface Manual Backup over USB through USB3.0 Interface Quick Backup over USB, NAS and Local PC
Configuration Backup	Yes
Network Functions	TCP/IP, IPv4, IPv6, DHCP, PPPOE, DDNS, Free Matrix DNS, FTP,SMTP, NTP, RTP/RTSP, CIFS/NFS, Network Acceleration, UDP
Maximum User	128
Remote Operation	Monitor, PTZ Control, Playback, System Setting, File Download, Log Information, Upgrade
<b>EVENTS AND ACTIONS</b>	
Trigger Events	Motion Detection, View Tampering, Trip wire, Object Intrusion, Audio Exception, Missing Object, Suspicious Object, Loitering, Object Counting, Recording Start, Recording Fail, Camera Offline, Camera Online
System Events	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 Preset Position, Turn On/Off Alarm Outputs, Buzzer Notification, SMS Notification, Calling from Mobile App
<b>STORAGE</b>	
SATA Interface	8 SATA III (18TB per Port)
NAS	2 NAS (CIFS/ NFS)
RAID	RAID-0, RAID-1, RAID-5, RAID-10
Retention	Camera wise, HDD usage % wise, Day wise
<b>INTERFACES</b>	
Network Interface	2 Ports x Ethernet (RJ-45) 10/100/1000Mbps
USB	3 Ports (2x USB 2.0, 1x USB 3.0)
LED	System Status LED, Power LED
Alarm Input	2 Ports (Max. load resistance : 4.7 KΩ)
Alarm Output	1 Port (Max. load power : <50VA, Max load current : <1A)
Reset switch and Buzzer	Yes
<b>SYSTEM INTERFACE</b>	
RAM	4GB
Flash	4GB
Operating System	Embedded Linux

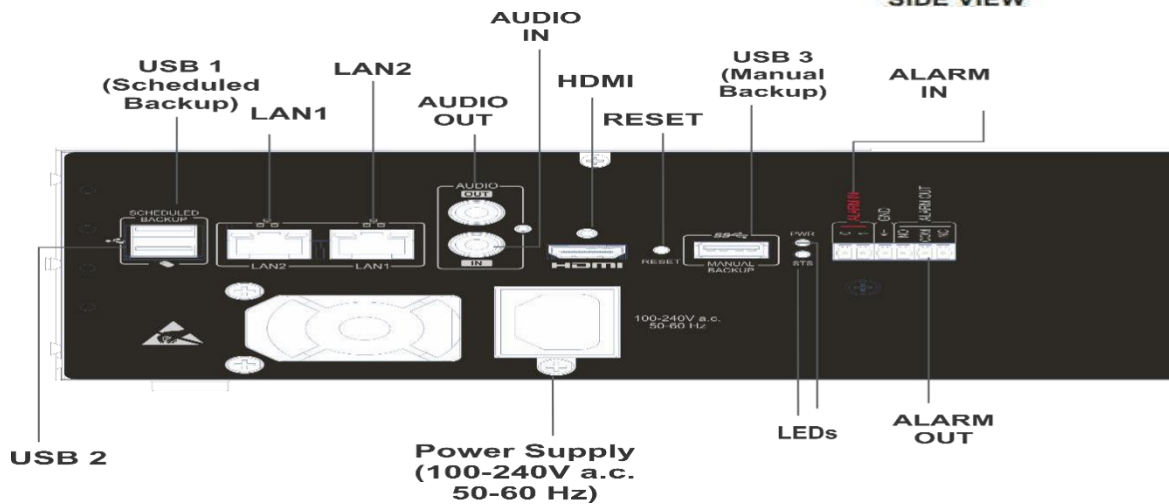
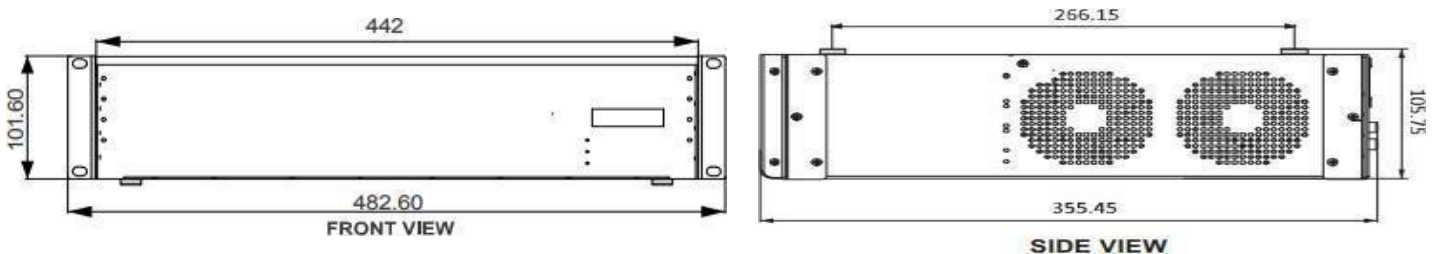
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Control Mode	Mouse, Web Client and Mobile Client
<b>CAMERA SUPPORT</b>	
Third Party Camera Support	Cameras with ONVIF 2.0 and above
<b>ENVIRONMENT CONDITIONS</b>	
Operating Temperature	0°C to +50°C (32°F to 122°F)
Humidity Range	5% to 95% RH Non-Condensing
<b>ELECTRICAL AND MECHANICAL</b>	
Power Input	SMPS (100-240-volt AC)
Power Consumption (Without Hard Disk)	≤75W Without HDD : < 10W With two HDD : < 85W
Dimension(LxBxH)	442 (without clamp) × 350 × 101
Weight	5.15kg
Certifications	BIS, CE, FCC
NDAA Compliance	Yes

## DIMENSIONS



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### ABOUT MATRIX

Established in 1991, Matrix is a leader in security and telecom solutions for modern businesses and enterprises. Matrix, an innovative, technology driven and customer focused organization, is committed to keep pace with the revolutions in security and telecom industries. With more than 40% of its human resources dedicated to the development of new products, Matrix has launched cutting-edge products such as Unified Communications, IP-PBX, Universal Gateways, Convergence, VOIP Gateways, GSM Gateways, IP Video Surveillance, Access Control and Time-Attendance. These solutions are feature-rich, reliable and conform to the international standards. Having global footprints in Europe, North America, South America, Africa and Asia through an extensive network of more than 1000 system integrators, 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 national and international awards for its innovative products.



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