

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



Cascading



Camera Initiation



Adaptive Recording



Camera-wise Recording Retention



Inbuilt DHCP Server



Instant Calling from Mobile App

CERTIFICATION



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TECHNICAL SPECIFICATIONS

VIDEO

| | |
|-----------------|------------------------------------|
| Input | 96 IP Channels |
| Output | HDMI (2.0) – 1 Port (Main) |
| HDMI Resolution | 1280x720 1920x1080 3840x2160 |
| Compression | H.265/H.264/ Motion JPEG |

AUDIO

| | |
|---------------|--|
| 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.711μ |
| Two-Way Audio | Yes |

THROUGHPUT

| | |
|---------------------|--|
| 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) |

DISPLAY

| | |
|--------------------------|---|
| Split (Through LAN/HDMI) | 1x1, 2x2, 3x3, 4x4, 1+5, 1+7, 3+4, 2+8, 1+12, 1⊕+12, 1+9, 4+9,2+12, 5x5, 6x6, 8x8 and Sequential |
| Local Decoding | 4x 4K/ 10x 3MP/ 16x 1080P |
| Digital Zoom | Yes |
| 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) |

RECORDING

| | |
|------------------|--|
| 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 |

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| STORAGE AND BANDWIDTH OPTIMIZATION | |
|---|---|
| Adaptive Recording | Automatically Reduces the Number of Frames Captured Per Second Where There is No Motion, Thereby Saving Storage Space. |
| Bandwidth | Automatically Adapts Optimized Resolution on Local Display Through HDMI |
| PLAYBACK AND BACKUP | |
| 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 Protocols | TCP/IP, IPv4, IPv6, DHCP, PPPOE, DDNS, Free Matrix DNS, FTP,SMTP, NTP, RTP/RTSP, CIFS/NFS, Network Acceleration, UDP, HTTP, UPnP, ICMP, RTCP, IGMP, ARP, Multicast, Unicast |
| Maximum User | 128 |
| Remote Operation | Monitor, PTZ Control, Playback, System Setting, File Download, Log Information, Upgrade |
| EVENTS AND ACTIONS | |
| 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 |
| STORAGE | |
| 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 |
| INTERFACES | |
| 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.loadresistance: 4.7KΩ) |
| Alarm Output | 1 Port(Max.loadpower: <50VA, Maxloadcurrent: <1A) |

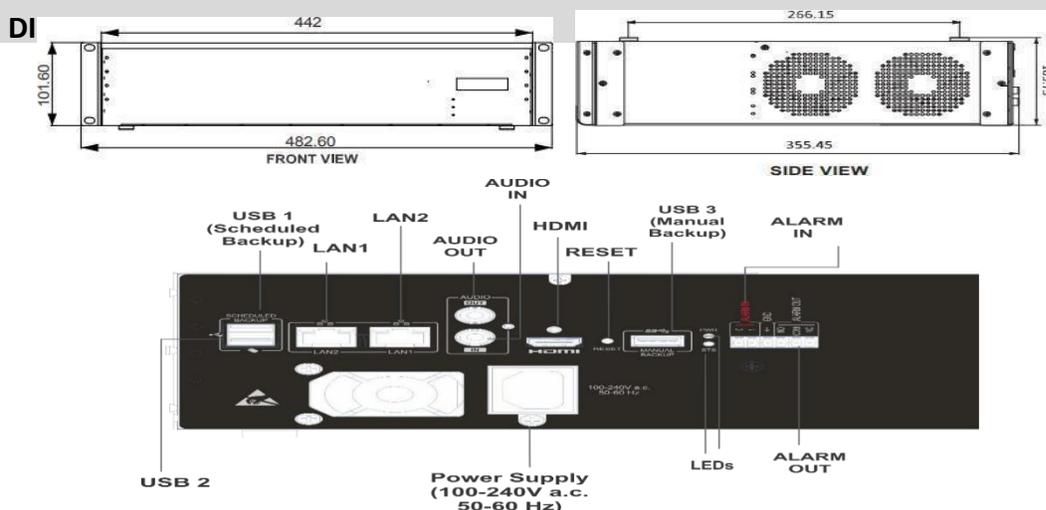
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| | |
|---------------------------------------|---|
| Reset switch and Buzzer | Yes |
| SYSTEM INTERFACE | |
| RAM | 4GB |
| Flash | 4GB |
| Operating System | Embedded Linux |
| Control Mode | Mouse, Web Client and Mobile Client |
| CAMERA SUPPORT | |
| Third Party Camera Support | Cameras with ONVIF 2.0 and above |
| ENVIRONMENT CONDITIONS | |
| Operating Temperature | 0°C to +50°C (32°F to 122°F) |
| Humidity Range | 5% to 95% RH Non-Condensing |
| ELECTRICAL AND MECHANICAL | |
| 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 | |
| Certifications | BIS, CE, FCC, RoHS |
| COMPLIANCES | |
| NDA Compliance | Yes |
| MTBF | Yes > 1,00,000 hours |

Note: Specifications are subject to change without prior notice



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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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