

# SATATYA NVR6404X P2

64 Channel NVR with 4 SATA Ports



- **Compression:** H.265
- **Decoding:** 4K
- **Channels:** 64Channels
- **Storage:** 4 SATA Port (18TB each)
- **Throughput:** 512Mbps/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 SPECIFICATION	
<b>VIDEO</b>	
Input	64 IP Channels
Output	HDMI (2.0) – 1 Port (Main)
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.711μ
Two-way Audio	Yes
<b>THROUGHPUT</b>	
Downlink Throughput	512Mbps
Uplink Throughput	512Mbps
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©+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)
<b>RECORDING</b>	
Image Resolution	12MP, 8MP, 5MP,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.
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

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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
<b>EVENTS AND ACTION</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	4 SATA III (18TB per port)
NAS	2 NAS (CIFS, NFS)
USB	1 TB USB Drive
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 K $\Omega$ )
Alarm Output	1 Port (Max load power : <50VA, Max load current : <1A)
Reset Switch	Yes
Buzzer	Yes
<b>SYSTEM INTERFACE</b>	
Processor	Quad-core ARM Cortex-A76 MPCore processor and quad-core ARM Cortex-A55 MPCore processor
RAM	4GB
Flash	4GB
OS	Embedded Linux
Control Mode	Mouse, Web Client and Mobile Client

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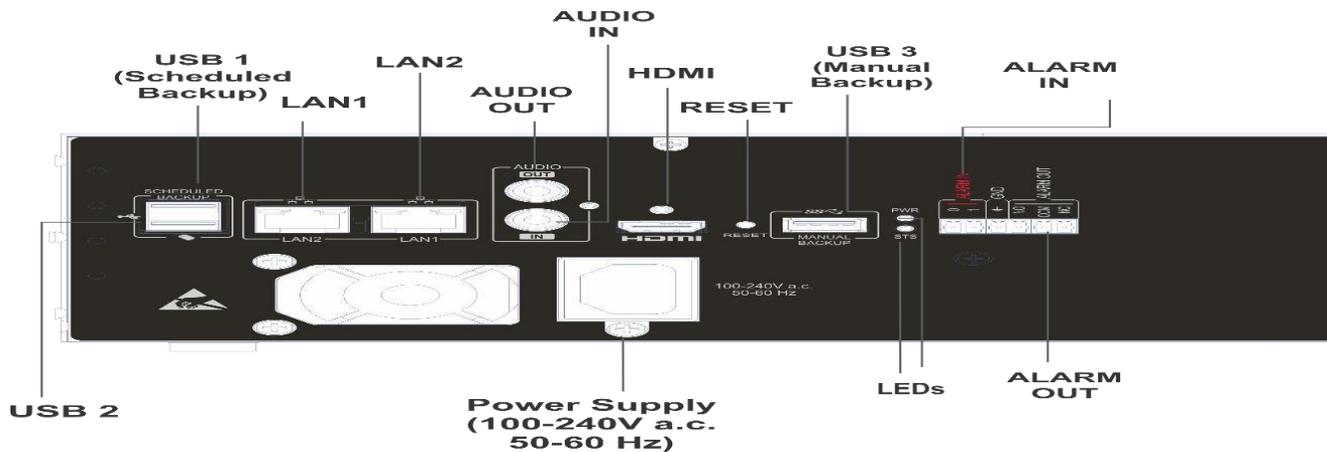
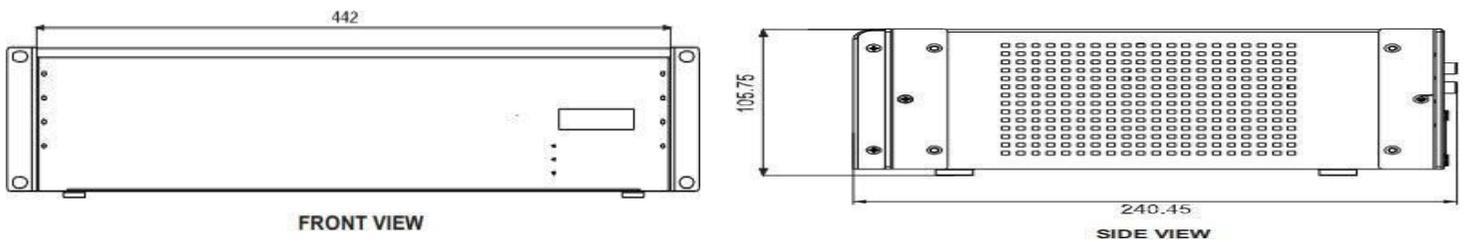
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CAMERA SUPPORT	
Third Party Camera Support	Cameras with ONVIF 2.0 and above
ENVIRONMENT CONDITIONS	
Operating Temperature	0°C to +50°C (32°F to 122°F)
Humidity Range	5% to 95% RH Non-Condensing
ELECTRICAL AND MECHANICAL	
Power Input	SMPS (100-240-volt AC)
Dimension(LxBxH)	442(without clamp)x234x101
Weight (Without Hard Disk)	4.84kg
CERTIFICATIONS	
Certifications	BIS, FCC, CE, RoHS
NDA Compliance	Yes
COMPLIANCES	
NDA Compliance	Yes
MTBF	Yes > 1,00,000 hours

\*Specifications are subject to change without prior notification

## DIMENSIONS



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## ABOUT MATRIX

Established in 1991, Matrix is a leader in Security and Telecom solutions for modern businesses and enterprises. As a technology-driven, and customer-focused organization, the company is committed to keeping pace with the revolutions in the Security and Telecom industries.

With around 40% of its human resources dedicated to the development of new products, Matrix has launched cutting-edge products like Video Surveillance Systems – Video Management Systems, Network Video Recorders and IP Camera, Access Control and Time-Attendance Systems as well as Telecom Solutions such as Unified Communications, IP-PBX, Universal Gateways, VoIP and GSM Gateways and Communication Endpoints. These solutions are feature-rich, reliable, and conform to international standards.

Having global footprints in Asia, Europe, North America, South America, and Africa through an extensive network of more than 4000+ channel partners, Matrix ensures that the products serve the needs of its customers faster and longer.

Matrix has ISO 27001: 2013, 20000-1 2018, 14001- 2015, and 9001: 2015 certifications for quality management standards. Matrix has also been awarded ZED Quality Certification, and DSIR Certification for indigenous R&D and Manufacturing. Matrix has gained the trust and admiration of customers representing the entire spectrum of industries.



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