SATATYA NVR0401XS P2
4 Channel NVR with 1 SATA Port

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- **Compression:** H.265
- **Decoding:** 4K
- **Channels:** 4 Channels
- **Storage:** 1 SATA Port(18TB)
- **Throughput:** 360 Mbps

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

 FC CE CERTIFIED Onvif NDAA Compliant RoHS COMPLIANT

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TECHNICAL SPECIFICATIONS	
VIDEO	
Input	04 IP Channels
Output	HDMI (2.0) – 1 Port (Main)
Compression	H.265/H.264/Motion JPEG
AUDIO	
Compression	G.711µ
THROUGHPUT	
Downlink Throughput	180 Mbps Following Scenarios are Considered: 1. Cameras Streaming to Device 2. Cameras of Cascaded Devices being Viewed on HDMI 3. Streaming from NAS for local/web client
Downlink Throughput	213 Mbps Following scenarios are considered: 1. Cameras Streaming to Device 2. Cameras of Cascaded Devices being Viewed on HDMI 3. Recording in Local HDDs, No NAS Connectivity
Uplink Throughput	180 Mbps Following scenarios are considered: 1. Cameras streaming to web client 2. Storage or backup to NAS 3. Streaming to VMS
Uplink Throughput	205 Mbps Following scenarios are considered: 1. Cameras Streaming to Web Client 2. NVR streaming to cascaded NVRs/VMS
Simultaneous Log-in	9+1(Admin)
DISPLAY	
Digital Zoom on Live	Yes
Snapshot	Yes (JPEG)
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,3MP, 2MP, 1080P, 720P, D1, CIF
Pre-Record	Up to 30 Sec
Post-Record	10-300 Sec
Snapshot Format	JPEG
Recording Format	AVI, Native

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Recording Types	Scheduled, Manual, Alarm and COSEC

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 Optimization	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 USB 2.0 interface Manual Backup over USB through USB 3.0 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 ACTION

Trigger Events	Motion Detection, View Tampering, Tripwire, 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 INTERFACE

SATA Interface	1 SATA III (18TB per port)
NAS	2 NAS (CIFS, NFS)
RAID	Single Disk
Recording / Backup Retention	Camera wise, HDD usage % wise, Day wise

INTERFACE

Network Interface	1 Port x Ethernet (RJ-45) 10/100/1000Mbps
USB	2 Ports (1x USB 3.0, 1x USB2.0)
LED	System Status LED, Power LED

Reset Switch	Yes
Buzzer	Yes
SYSTEM INTERFACE	
Processor	Quad-core 64-bit Cortex-A55 processor
RAM	2GB
Flash	4GB
OS	Embedded Linux
Control Mode	Mouse, Device Client and Mobile Client
CAMERA SUPPORT	
Third Party Camera Support	Cameras with ONVIF 2.0 & above
ENVIRONMENT CONDITION	
Operating Temperature	0°C to +45°C (32°F to 113°F)
Humidity Range	5% to 95% RH Non-Condensing
ELECTRICAL AND MECHANICAL	
Power Input	Matrix Adapter 12V DC, 2A
Dimensions(LxBxH)	266 X 157 X 44 mm
Weight	490 g approx
CERTIFICATIONS	
Certifications	BIS, CE, FCC, RoHS
COMPLIANCES	
NDAA Compliance	Yes
MTBF	Yes > 1,00,000 hours

Note: Specifications are subject to change without prior notice

ABOUT MATRX

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.

MATRIX COMSEC
Head Office
394-GIDC, Makarpura, Vadodara-390 010,India.Ph:
+91 265-613-7222
E-mail: Inquiry@MatrixComSec.com

Factory
19-GIDC, Waghodia, Dist.
Vadodara-391 760,
India.
Ph: +91 265-613-7222

MATRIX COMSEC – North America
2 Wickstead Crt, Brampton,
Ontario, L6R 1N8.
+1 408-643-0581 (USA)
+1 437-266-1005 (Canada)

www.MatrixComSec.com