SATATYA PARAM NVR25608XCTS
256 Channel Enterprise NVR with 8 SATA Port

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SECURITY SOLUTIONS

SATATYA PARAM
Enterprise Network
Video Recorder

Matrix Enterprise Network Video Recorder is a turnkey server-based Video Management and Surveillance solution for medium and large enterprises. It offers the latest generation server grade and enterprise-class hardware technology engineered with robust, open, and scalable video management software. It is an ideal fit for enterprises looking for integrated video surveillance solutions. Furthermore, smart features like perceptive monitoring and four levels of redundancy ensure proactive, persistent, and preventive security for your enterprise.

CERTIFICATION

ONVIF   **BIS**   **FC**   **CE CERTIFIED**

KEY FEATURES

H.265 H.265 Compression	**4K DECODING** 4K Decoding	Redundant Power	**12 MEGA PIXELS** 12MP Recording
Interoperability	Smart Monitoring	Hot Swap HDD	Integration

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TECHNICAL SPECIFICATIONS	
HARDWARE	
Processor - CPU	Intel® Xeon® E-2246G 3.6GHz (XCTS Variant)
Memory	32 GB DDR4
OS Drive	1 x 250 GB SSD M.2
SATA 3.0 Channels	8
Storage Capacity	Max 144 TB (support up to 18TB each HDD)
NAS	Up to 19 NAS
GPU	Intel® UHD Graphics P630
Video Display	2x Display Ports; 1x VGA
Chassis	2U, 17" Rack Mount Server
Hot Swap HDD Bays	8x SATA HDD/ SSD 3.5" or 2.5"
RAID	Intel® VRoC (Virtual RAID on CPU)
RAID Support	Hybrid RAID 0/1/5/10
NETWORK MANAGEMENT, INTERFACES AND SECURITY	
Network	4 X RJ45 (1 GbE)
Throughput (Uplink)	512Mbps
Throughput (Downlink)	512Mbps
Sensor In/ Alarm Out	No Inbuilt Port. External COSEC PANEL LITE & ARC IO 800 Sensor Controller - Yes
Audio In/ Out	No Inbuilt RCA. USB-based external Mic and Speaker - Yes. (Subject to additional supported Software Drivers)
USB	1 (F) USB 2.0 + 4 (R) x USB 3.1
Security	TPM 2.0 Support SSL Communication
Power On & Reset Switch	Yes
ELECTRICAL AND MECHANICAL	
Input Voltage	120/220 VAC at 50/60 Hz - Dual Input
Power Supply System	1+1 550W Hot Swap Platinum Redundant Power Supply
Dimension (D x W x H)	660 x 430 x 88 (mm) 26" x 16.9" x 3.5"
Material	SGCC
Net Weight	13.9 kg (without HDD)
SOFTWARE	
Operating System	Microsoft Windows 10 IoT Enterprise
Event Database	Microsoft SQL Server Express Edition (upto 10 GB of Storage)
Software	Video Management Solution - SATATYA SAMAS
VIDEO	
IP Camera Channels	256 IP Channels
Resolution Support	12MP, 8MP, 5MP, 3MP, 2MP, 720P, D1, CIF
Compression	H.265, H.264, MJPEG

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ONVIF Profile Support	ONVIF Profile S & G

IP Camera Supports	Matrix IP Camera, Third Party – ONVIF Profile S Supported (V2.2 and above)
Active Directory Support	Yes
User Roles and Rights	Yes
DISPLAY	
Smart Client Layout	1x1, 2x2, 3x3, 4x4, 5x5, 6x6, 8x8, 1+3, 1+5, 1+7 and Sequential Views and Windows Sequence
Local Decoding	1x 4K/ 4x 1080P/ 16 x D1 @H.264
Digital Zoom on Live	Yes
Snapshot	Yes
OSD	Channel Number and Name, Status, Video Loss, Recording and Disabled Channel (As per camera support)
RECORDING AND STREAMING	
Simultaneous Login	Default: 5 Max: 99+1 (Admin), users can be added with an additional license
Pre-Record	Up to 30 Sec
Post-Record	1 Day
Snapshot Format	JPEG
Recording Format	Native
Recording Types	Continuous, Manual, Alarm and Motion Detection
Special Recording	Time Lapse Recording and Day-Highlights
Adaptive Recording	Automatically Reduces the Number of Frames Captured Per Second Where There is No Motion, Thereby Saving Storage Space
Stream Configuration	Stream Parameters, CODEC, Resolution, FPS, and GOP
Stream Usages	Recording, Viewing, Analytics
FPS	1-60fps
GOP	1-120 GOP
INTEGRATED PLATFORMS (Ethernet/Network)	
Redundant Service	Yes Storage & Recording Services (N+1)
Failover Service	Yes Storage & Recording Services (N+1) & Network ISP Service (1+1)
Matrix IVA Service	Yes (Basic & Advance IVAs, ANPR, Parking Management & More)
Business Application	SAP, ERP, and POS
Access Control System	Yes Matrix COSEC Server and COSEC PANEL LITE for Aux I/O Integrations
Streaming Services	Yes For Integrations with Third Party IVA and Investigation Agency
E-NVR Clients	Desktop Client: SATATYA Smart Client, Video Wall Client Mobile Clients for Android and iOS Devices
PLAYBACK AND BACKUP	
Synchronous Playback	16 channels @ 1080P (via Ethernet), 4 Channels @1080P (Local Display)
Search Mode	Date and Time, Camera, Recording Type

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Playback Modes	Fast Forward, Fast Reverse at Different Speed Control
Backup and Archive	3 Levels, Video Grooming Technology

Backup Location	Local Removal Drive, NAS, FTP
Maximum User	Default: 10 Max: 999 users can be added with additional license
Remote Operation	Monitor, PTZ Control, Playback, System Setting, File Download, Log Information
PERCEPTIVE MONITORING	
Hierarchical E-map	Yes
Alarm Management	Yes (Report, Acknowledge, Close & Alarm Logs)
System Health Dashboard	Yes
Investigator	Video Content Analysis on Recorded Video (Over ethernet)
One Click Control	IPC view, Recording Status, Health, Snapshot, Manual Recording, Digital Zoom In and Out, Change Stream, Share Live View
On Screen PTZ Control	Yes, using Virtual PTZ Joystick
SURVEILLANCE LOGS	
Logs	Event Logs, Audit Trails, Alarm Logs and Online User information
Reports	Summary Report, Downtime Analysis Report, Evidence Reports, System Health Reports
Report Scheduler	Yes (Daily, Weekly, Monthly)
EVENTS AND ACTION	
Events	Video Surveillance Events, System Events, User Events, Audit Trails Events
Action	Recording on Selected Channel, Upload Images on FTP/Email server, Email Notification with Snapshot, Trigger IVA, Recall PTZ Preset Position, Turn On/Off Alarm Outputs, Buzzer Notification, SMS Notification, Calling from Mobile App, Share files data, Trigger Aux Output

NOTE 1: Installing the product you also adhere to Microsoft's Software License terms for Microsoft Windows IoT product usage terms as well as Microsoft and Matrix's CLA Terms, as the product includes an embedded Microsoft Windows Operating System. For more details, please refer to Matrix's EULA respecting the said product/solution.

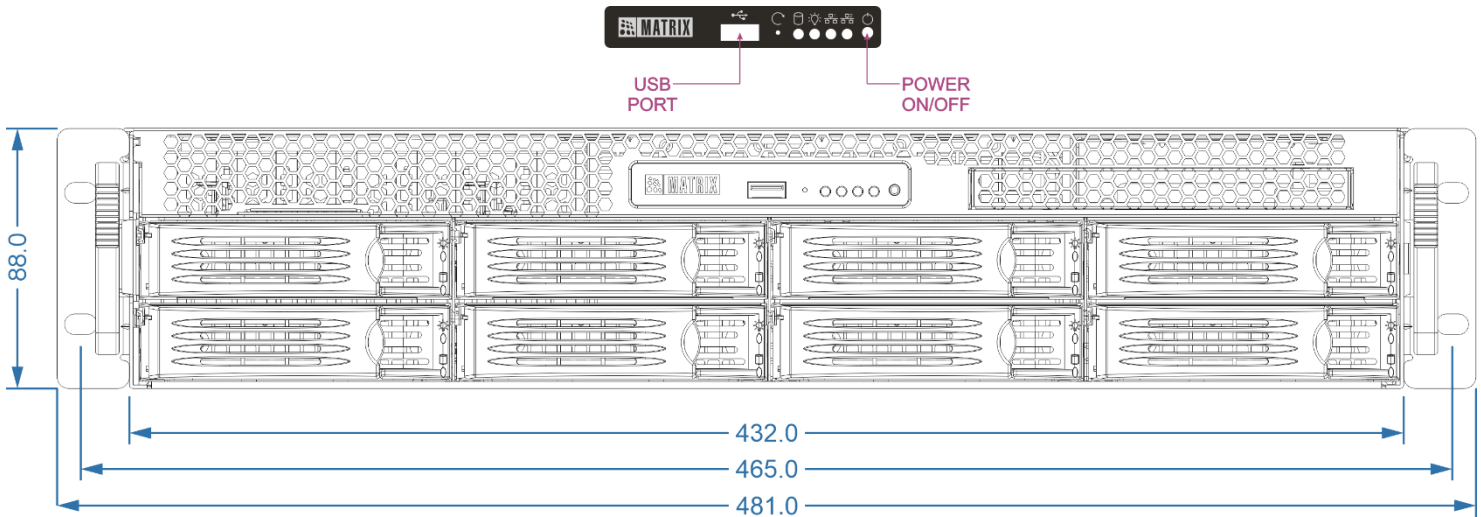*NOTE 2: Technical Specifications are subject to change without prior notice.*

The storage capacity of E-NVR depends on the number of hard drives installed in the device.

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DIMENSIONS (in mm)

USB PORT

POWER ON/OFF

88.0

432.0

465.0

481.0

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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