STORM
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IC REALTIME®

STORM-5s-864

IC Realtime 64CH 12MP H.265 2U 8xSATA NVR with RAID, Built-In AI, and AcuPick Technology

The STORM-5s-864 stands as a sophisticated choice for contemporary surveillance needs. Its design revolves around cutting-edge technology, making it a reliable solution for modern security systems. Equipped with an H.265, 64 Channel Enterprise RAID Network Video Recorder (NVR), this system is powered by a robust Embedded Linux Quad Core Processor. It efficiently handles resolutions up to 32 MegaPixels, including 4K, ensuring detailed and high-quality video capture.

This NVR is equipped to handle diverse decoding formats, including Smart H.265+/H.265/Smart H.264+/H.264/ MJPEG, providing flexibility for various camera setups. With a max decoding capability of 32 channels at 1080p@30 fps or 2 channels of 32MP@30 fps, it ensures the highest quality video processing. With an outstanding total incoming/recording/outgoing bandwidth of 384 Mbps, it smoothly handles high-demand scenarios without compromise.

What sets the STORM-5s-864 apart from its' predecessors is its advanced AI integration. The NVR itself supports AI with 2 channels for face detection and recognition, 4 channels for perimeter protection, and 8 channels for SMD Plus (Smart Motion Detection Plus). This means the system can intelligently analyze and respond to security events without the need for Smart AI Cameras. In addition to its internal AI capabilities, the NVR seamlessly integrates with AI-enabled cameras. Many cameras offer a broad range of AI functions, from face detection and recognition to perimeter protection, ANPR (Automatic Number Plate Recognition), stereo analysis, heat map generation, and people counting. Furthermore, AcuPick technology, supported by the NVR up to 16 channels, simplifies the process of identifying and tracking specific individuals within your surveillance footage.

Security remains a top priority, with the NVR adhering to a security baseline of 2.3. It protects against unauthorized access and data breaches, ensuring the integrity of your surveillance data. Furthermore, support for N+M cluster configurations adds redundancy and reliability to your surveillance network, making it suitable for mission-critical installations.

For those concerned with data integrity, the STORM-5s-864 offers a range of RAID configurations (RAID 0/1/5/6/10) to choose from, tailored to your specific needs. This feature proves invaluable in scenarios where data protection is paramount.

Beyond its advanced AI capabilities, the NVR encompasses a spectrum of essential features. It comes housed in a 2U rack-mountable case with 8 SATA III Ports and 2 x 1GB Network Ports, ensuring effortless integration into your surveillance infrastructure. The inclusion of 16 Alarm Inputs, 8 Alarm (Relay) Outputs, and 2 x HDMI and 2x VGA Video Outputs further enhances its versatility.

The STORM-5s-864 establishes a new benchmark in surveillance technology, offering AI-driven analytics, advanced decoding, robust security measures, and flexible RAID options. With the added power of AcuPick technology, it streamlines the process of identifying individuals in surveillance footage, transforming the way you monitor, deter, and analyze incidents in real-time and post-forensic scenarios. It empowers you to create an intelligent surveillance ecosystem tailored to your precise requirements.

64	HEVC (H.265)	32MP	384Mbps	Fisheye Support	ANPR	POS	Intelligent Searching	2x 1GB Network Ports
Channels	Compression	Up To 32MP Recording	Recording Bandwidth	Fisheye Support	ANPR	POS Text Overlay	Intelligent Searching	2x 1GB Network Ports

8 Internal Hard Drives	RAID HDD Management	Acupick	Perimeter Protection	Face Detection	Face Recognition	Heat Map	People Counting	SMD Plus

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PERFORMANCE

IPC Resolution (Max)	32MP
IPC Recording Bandwidth	384Mbps / 200Mbps with AI Enabled
Bit Rate Support	16Kbps -20Mbps Per Channel
Processor	Quad Core Embedded
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG

SOFTWARE

OS	Embedded Linux (ICR OS)
Video Detection	Motion Detection, PIR Alarm, Video Loss & Camera Masking, IPC Alarm
AI IPC Smart Search	Face, IVS, SMD Plus, ANPR, Counting, Metadata, Acupick, Heat Map
Fisheye Dewarp Support	4 Channel Local, Web Brower, SmartPSS
Simultaneous Playback	2CH@ 32MP 20FPS / 4CH @ 8MP 15FPS / 16CH @1080P 30FPS
Max User Access	128
Network Functions	TCP/IP, IPV4, IPV6, RTP, UDP, NTP, DHCP, DDNS, EMAIL, IP FILTER, PPOE, ARC, MULTICAST, P2P, ISCSI
Integrations	ONVIF Profiles T, S, G / CGI, SDK
IPC Support	IC Realtime, Onvif, Axis, Bosch, Dahua, Hikvision, Panasonic, Pelco, Samsung, Sony, UNV and many more...
Smart Phone/ Tablet	Easyviewer /DMSS
PC/ Mac Software	SmartPSS & Web Browser
Push Notifications	Yes
DDNS	Yes
Extra Stream	Yes
P2P	Yes
ANR	Yes
ARC Integration	Yes

CONNECTIVITY

Total Video Channels	64
IP Channels	64
HDCVI Channels	-
Audio Input (RCA) Audio	1
Output (RCA)	2
Audio (IP)	Yes
Two way Audio Supported	Yes
Alarm Inputs	16
Alarm Outputs	8 (1 Channel 12V 1A Output)
HDMI - 4K (3840 x 2160)	2
VGA	2
BNC	-
PoE PnP IPC Ports	N/A
10/100M RJ45 Port	-
10/100/1000M RJ45 Port	2
RS-485	1
RS-232	1
USB 2.0 Port(s)	2 Front Panel
USB 3.0 Port(s)	2 Back Panel

STORAGE

SATA Ports	8
RAID	Yes - RAID 0/1/5/6/10
eSATA Port	1
Backup Methods	DVD, USB & Network

ENVIRONMENTAL

Case Size	2U Rackmount
Dimensions (mm)	439.9mm (W) x 457.9 mm (D) x 89mm (H)
Power Supply	100-240V, 50-60HZ
Power Consumption	NVR: <13 Watts (without HDD)
Working Environment	-10°C~+55°C / 10%~93% RH / 86~106kpa
Weight	6.4KG (Net without HDD) 9.01KG Gross
Certification	CE, FCC, UL

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