NVR3304

16-32 CH Megapixel RAID NVR

- Support 16-32 CH Megapixel Recording (Up to 5MP or Above)
- Support 4-bay SATA Hard Disk
- Support RAID 1, 5, 6 for Data Protection
- Built-in Real-Time Video Intelligence Detection
- Built-in Dual Display
- Support Surveon Control Center (SCC)
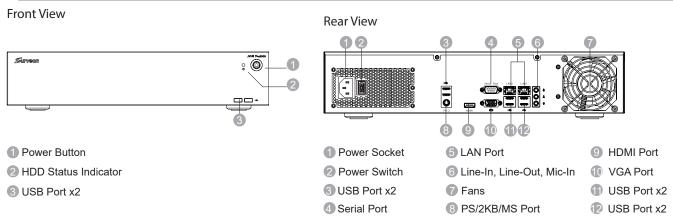- In-House Design & Production
- 2-Year Warranty

Software Specifications

Live View	• Real-time network camera discovery • Versatile views of various screen divisions • Multiple views supported • View patrolling for single or multiple views • Real time video/event alarm monitoring • Support 3 installation modes and 5 different fisheye dewarp display modes • Support live audio
eMAP	• Drag-n-drop camera manipulation • Hierarchical and multiple layer map structure • Real time event alert • Instant live video of camera
PTZ	• Pan, tilt, and zoom operations (depends on camera) • Built-in PTZ control panel • Preset position (depends on camera) • Event-driven camera patrolling • Support OnScreen PTZ
I/O	• Digital I/O management • Support Ethernet Digital I/O Controller
Multiple Displays	• Support dual monitors • Supports live view, playback, eMap functions (depends on product) • Direct display to secondary monitor(s)
Investigation	• Search by date, time, and camera • Search by VI event combinations • Search over multiple days • Search over multiple cameras • Different colored recording indicator on calendar • Search via built-in VI analyzer • Intuitive, video thumbnail search results • Cue-in, cue-out and loop playback • Quick playback by video thumbnails • 1/8, 1/4, 1/2, 1x, 2x, 4x, 8x play, pause, stop • AVI-formatted video clip export • Up to 16 channel synchronized playback (depends on product) • Support 3 installation modes and 5 different fisheye dewarp playback display modes
Video Intelligence	• Yes

Recording Policy	• Supports up to 32 channels megapixel recording (depends on product) • Continuous recording • Event-driven recording along with rules • Scheduled recording on daily or weekday basis • Post alarm recording 1-300 seconds • Pre-alarm recording 1-300 seconds • Support individual schedule recording
Rule Manager	• Conditional recording/alert/notification • Email, FTP, SMS, popup window, PTZ, VI Panel, Relay output notifications • Sound, alarm, round-the-clock alerts • Support email template
Remote Management	• Remote operation & management via VMS Client • Remote management and control via SCC & SCC Client
Remote Client	• Web Client • iPhone client • Android Client
3rd Party IPCAM	• ACTi, Arecont Vision, Axis, Dahua, Dynacolor, Hikvision, IQinvision, Mobotix, Panasonic, and more
Storage Expansion	• Built-in RAID storage management • Recording to iSCSI/NAS • Backup to iSCSI/NAS
General & Misc.	• Video privacy mask • Digital zoom in, zoom out • Log viewer, log export mechanism • Client auto login • Automatic storage recycling • Client-server architecture • Customized authority account management • Digital watermark proofing • Support DDNS function • Support time synchronization with NTP server • Provide System and VI setup Help assistance • Support Customized Event management and log mechanism • Auto port mapping for internet connection • Support batch setting IPCAM parameters • Support Health Check function • Support standby recording (Failover) • Support offline recording with Surveon cameras • Support APC SMART-UPS
Language	Support multiple language on VMS including English, Czech, Dutch, French, German, Italian, Japanese, Korean, Persian, Polski, Portuguese, Russian, Slovak, Spanish, Turkish, Simplified Chinese, Traditional Chinese
Supported Protocols	IPv4, TCP, UDP, DHCP, NTP, DDNS, SMTP, SNMP, FTP, HTTP, UPnP, RTSP, iSCSI

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Complete Megapixel Solutions

NVR3304

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Functions

Front View

Rear View

① Power Button
② HDD Status Indicator
③ USB Port x2

① Power Socket	⑤ LAN Port	⑨ HDMI Port
② Power Switch	⑥ Line-In, Line-Out, Mic-In	⑩ VGA Port
③ USB Port x2	⑦ Fans	⑪ USB Port x2
④ Serial Port	⑧ PS/2KB/MS Port	⑫ USB Port x2

Hardware Specifications

NVR3304 Series	
System Processor	Intel® Core i3 Dual Core 3.3GHz
System Memory	DDR3 4GB (up to 16GB)
Operating System	Linux Embedded System
Storage	4 x 3.5" SATAII/SATAIII hard disk drives
I/O Interface	• RJ-45: 2x Gigabit Ethernet • USB: 8x USB2.0 • VGA: x1, HDMI: x1
RAID	Non RAID, 1, 5, 6
Electrical	• Input voltage: 100-240V, 3.5A • Power Supply: 250W
Operating Environment	• Humidity: 5% to 80% (non-condensing) • Temperature: 5º to 40ºC
LED Indicator	Yes (Power, HDD)
Dimensions	88(H) x 430(W) x 390(D) mm
Weight	≤9kg (without HDD)
Certification	UL, CB, FCC/CE Class A
Warranty	2 years
DOM	4GB

SurveOne Specifications

Browser-Based System Status Monitoring	
System Monitoring	• NVR/camera system status overview • NVR device/network/storage real-time status monitoring • Camera real-time status monitoring
Configurations	• Easy NVR/camera configuration copy • Easy NVR/camera configuration backup/restore
Event Log	• NVR/camera real-time event log information • Critical error/error/warning multi-level event classifications

Ordering Information

Model Name	Description
NVR3304E1-16	16 CH, 4 Bay Megapixel RAID NVR
NVR3304E1-24	24 CH, 4 Bay Megapixel RAID NVR
NVR3304E1-32	32 CH, 4 Bay Megapixel RAID NVR

Optional Accessories

Part Number	Description
ZJOYSTICK-0050	CH Products, IP Desktop USB Joystick. 3 axes joysticks for P/T control, 12 HID buttons, USB 1.1 HID compliant, Easy to use and operate.
ZETHIOBOX-0030	Ethernet I/O Box, Ethernet Digital I/O Controller, Digital Input x6, Digital Output x3 (for VMS 2.4.8)
ZPOE08-0030	8 Port 10/100Mbps 120W PoE Switch
ZPOE26-0030	24 Port 10/100Mbps + 2 Port GBE Combo (UTP/SFP) 380W PoE Switch
ZSlideRail27-0030	Slide Rails for NVR3xxx-xx32 Series products, for 23"~27" deep racks
ZSlideRail36-0030	Slide Rails for NVR3xxx-xx32 Series products, for 27"~36" deep racks
H72A1XA3XXX-0030	Hitachi, Enterprise, 2TB SATA HDD, 6Gb/s
H72A2XA2XXX-0030	Hitachi, Enterprise, 3TB SATA HDD, 6Gb/s
H72A3XA3XX1-0030	Hitachi, Enterprise, 4TB SATA HDD, 6Gb/ss
HSLT72A3200-00301	Toshiba, Desktop, 2TB Surveillance SATA HDD, 6Gb/s
HSLT72A3300-00301	Toshiba, Desktop, 3TB Surveillance SATA HDD, 6Gb/s
HSLT72A3400-00301	Toshiba, Desktop, 4TB Surveillance SATA HDD, 6Gb/s

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