VIVOTEK
A Delta Group Company

S Series

NV9321P

H.265 8-CH Embedded PoE Mobile NVR

Technical Specifications

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Descriptions	8-CH Embedded PoE Mobile NVR(M12)

Device	
OS	Embedded Linux
Watchdog	Hardware + Software
Power Restoration	System Restart Automatically after Power Recovery

Display	
LiveView Display	8 Channels Multi-layout display: 1x1, 2x2, 3x3, 1M+5, 1P+3, 1P+6, 2P+3, 3V
Video Output	HDMI x1, VGA x1
Display Resolution	3840x2160,1920x1080, 1280x720
Stream Application	Constant\Auto Adaptive Stream
Fisheye Dewarp	Local: 1O, 1P, 1R, 1O3R, 1O8R, 1P3R Web: 1O, 1R, 1P
PTZ Operation	Direction Control, Home, Iris, Preset, Patrol (Group)

Video	
Video Format	MJPEG, H.264, H.265
Graphic Decoder	Hardware decoding
Decoding Resolution	Up to 7680x2560
Decoding Capability	H.265/H.264: 3840x2160 @ 90 fps (3-CH) 1920x1080 @ 360 fps (12-CH)

Audio

Audio Format	G.711, G.726, AAC
Audio In/Out	Line out x 1

Record

Recording Time (sec.)	Pre-Record: 5 (Max. 10) Post-Record: 20 (Max. 300)
Recording Stream	Dual
Recording Throughput	192Mbps
Recording Mode	Continuous, Schedule, Manual, Event
Recording Setting	Recycle (unit: Day)
Watermark	Supported

Storage & Backup

DISK Devices	Up to 2x 2.5" industrial-grade SSDs (sold separately) with a cold-swappable storage bay featuring a secure key lock
HDD Max. Capacity	Please refer to SSD supported list on VIVOTEK website
RAID	RAID 0,1
Disk Management	Create, Format and Remove Disk HDD S.M.A.R.T
SD Card	SD card slot x1 (reserved)
Video Clip Export	USB Dongle (FAT Format)
Schedule Backup	FTP

Playback

Playback Display	4 Channels Multi Layout Display: 1x1,2x2,1P+3,1V+3
Playback Control	Regular (Play, Pause, Stop), Rewind, Next / Previous Frame, Speed Control, Calendar, Event, Timeline, Timeline Scale, Thumbnail (Storyboard)
Video Search	By Calendar, Date/Time, and Alarm
Thumbnail Explorer (Storyboard)	Listing the thumbnail of recorded video (Max. 2 CH)
Snapshot	JPEG
Video Clip Export	EXE

Network

Ethernet	10/100/1000Mbps Ethernet x 1
Network Throughput in total	224 Mbps
WiFi	802.11a/b/g/n/ac 2T2R (optional module)
Mobile Network	LTE (optional module)
PoE	802.3at/af compliant PoE ports x 8 (M12) (Total Max. 64W)
PoE Management	Supported
Protocols	IPv4, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, SMTP, FTP, DHCP, NTP, DNS, DDNS, IP Filter

External Interface

USB	Front x1 (USB 2.0) Back x1 (USB 2.0)
CAN	Signaling x2 pair in one M12 connector
Alarm In	x8 (DI: 5V~ 30VDC)
Alarm Out	x4 (DO: max. 1A 30VDC or 0.5A 125VAC)
Audio	Line out x 1
Antenna Interface	GNSS x1, WiFi x2, LTE x2 (Reserved)
RS232	1 Port (Reserved)

System

Camera Integration	ONVIF Profile S
GNSS	GPS/GLONASS, L1 band, 1(default)~10Hz NEMA0183 output rate
G-sensor	Support 16-bit resolution, 128 to 1024 samples/sec, range:±2, ±4, ±8, ±12, ±16g
Event	Motion Detection, PIR Detection, Tampering Detection, Camera DI/DO, Camera Disconnected, Disk Failure, Disk Full, NVR DI/DO, GPS disconnected, GPS speed, G-sensor, PoE error
Event Action	Video recording, email with snapshot, buzzer, PTZ, FTP, DO (camera, system), full screen, send to CMS
User Management	User level: administrator, regular user
Log	System, Recording, User, Error
Date&Time	Time Zone, Manual, Automatic Sync NTP, Daylight Saving Time
Language	Czech, English, French, German, Italian, Japanese, Korean, Portuguese, Polish, Russian, Spanish, Simplified Chinese, Traditional Chinese, Arabic

Remote Client

Software AP	Shepherd , VSS
Mobile/Tablet App	iViewer (Android & iOS)
Web Browser	Chrome

General

Power Input	DC 12V~48V
Power Management	Programmable delay on/off relative to ignition or other switched voltage
Power Consumption	max.155W
Dimensions	284 (W) x 230 (D) x 90.6 (H) mm
Weight	approx. 4.4 kg (without HDD)
Operating Temperature	-40°C ~ 55°C (-40°F ~ 131°F)
Humidity	0 ~ 95%
Safety Certifications	CE, FCC, VCCI, C-Tick, EN50155(OT2/ST0/norminal 24VDC), EN61373, UL, CB, EN45545, EN50121-3-2/EN50121-4, MIL-STD-810G

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