VIVOTEK
A Delta Group Company

V SERIES

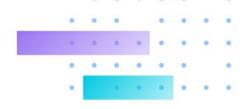# ND9442P

Core+ AI 16-Channel NVR with Embedded PoE

H.265/H.264 • 4K Display • 16 x PoE Port • RAID 0, 1, 5 • Deep Search

Technical Specifications

Device

Model	ND9442P
OS	Embedded Linux
Watchdog	Hardware + Software
Power Restoration	System Restart Automatically after Power Recovery

Display

LiveView Display	16 Channels Multi-Layout Display: 1x1, 2x2, 3x3, 1P+3, 2P+3, 1M+5, 1P+6, 3V, 1M+12, 4x4
Video Output	HDMI x1, VGA x1
Display Resolution	3840x2160, 1920x1080, 1280x720
Stream Application	Constant\Auto Adaptive Stream
Fisheye Dewarp	Local: 1O, 1R, 1P, 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 1920x1080 @ 360 fps

Audio

Audio Format	G.711, G.726, MPEG-2 AAC-LC
Audio In/Out	3.5 Phone Jack Audio Output x1 3.5 Phone Jack Audio Input (Reserved) x1

Record

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

Storage & Backup

DISK Devices	Internal x4 (3.5") (HDD is purchased by separately)
HDD Max. Capacity	*Please refer to the recommended HDD list on the VIVOTEK website.
RAID	RAID 0, 1, 5
Disk Management	Create, Format and Remove Disk HDD S.M.A.R.T.
External Storage	USB Storage (USB 3.0)
Video Clip Export	USB Dongle (FAT Format)
Schedule Backup	FTP

Playback

Playback Display	4 Channels Multi-Layout Display: 1x1, 2x2, 1P+3, 3V
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 thumbnails of recorded video (Max. 2-CH)
Snapshot	JPEG
Video Clip Export	EXE

Network

Ethernet	10/100/1000Mbps Ethernet (RJ-45) x2
Network Throughput in total	224 Mbps
PoE	802.3at/af compliant PoE ports x 16 (Total Max. 200 W) * DO NOT suggest connecting any non-PD device with this NVR PoE port in order to avoid potential risk.
PoE Management	Supported
Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, SMTP, FTP, DHCP, NTP, DNS, DDNS

External Interface

USB	Front: 2 (USB 2.0) Back: 1 (USB 3.0)
Alarm In	16
Alarm Out	8
Audio	3.5 Phone Jack Audio Output x1 3.5 Phone Jack Audio Input (Reserved) x1
RS485	1 (Reserved)

System

Camera Integration	ONVIF Profile S
Event	Motion Detection, Smart VCA Event, Cyber Attack, PIR Detection, Tampering Detection, Camera DI/DO, Camera Disconnected, Disk Failure, Disk Full, NVR DI/DO, PoE error, Video loss
Event Action	Record, Email (Text), Email (Snapshot), FTP, Buzzer, ePTZ Control (Go to Preset), NVR DO, Camera DO, APP Notification by cloud service
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

Deep Search

Object Search	People, Vehicle
Scene Search	Line crossing, Intrusion, Loitering
Attribute Search	People: Gender, Age, Clothing Color, Accessories Vehicles: Type, Color

Advanced Features

VCA Counting Solution	Supported
VCA Event Search	Smart VCA, Smart 360 VCA
Smart Search II	Supported
Trend Micro IoT Security	Supported
Cybersecurity Management	Supported

Remote Client

Software AP	Shepherd, VSS (VAST Security Station)
Mobile/Tablet App	iViewer (Android & iOS)
Web Browser	Chrome
Cloud Service	VORTEX Connect

General

Power Input	100-240V AC, 50/60Hz
Power Consumption	Max. 300 W
Dimensions	432 (W) x 421 (D) x 66 (H) mm
Weight	4.6 kg (without HDD)
Operating Temperature	-10°C ~ 55°C (14°F ~ 131°F)
Humidity	0 ~ 95%
Safety Certifications	CE, LVD, FCC, VCCI, C-Tick, UL, CB, BSMI, BIS

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