VIVOTEK
A Delta Group Company

V SERIES

ND9542P

Core+ AI 32-Channel NVR with Embedded PoE

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

- 1080P 360 fps with H.265 Compression Technology
- Up to 20MP Cameras Supported
- 4K Video Output Display for Clear and Detailed Monitoring
- Deep Search (Attribute Search, Scene Search)
- VIVOTEK Smart VCA Camera Supported for Event Search & Recording
- 802.3at/af PoE with PoE Management
- RAID 0, 1, 5 Supported to Prevent from Recording Data Loss
- Alarm In *16, Alarm Out *8
- Trend Micro IoT Security & Cybersecurity Management
- VIVOCloud App, VAST 2, and VSS (coming soon)
- Made in Taiwan

NDAA Compliance
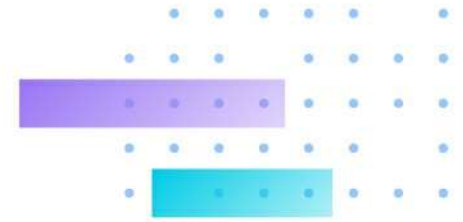
Technical Specifications

Device

Model	ND9542P
OS	Embedded Linux
Watchdog	Hardware + Software
Power Restoration	System Restart Automatically after Power Recovery

Display

LiveView Display	32 Channels Multi-Layout Display: 1x1, 2x2, 3x3, 1P+3,2P+3,1M+5, 1P+6, 3V,1M+12, 4x4, 1M+31
Video Output	HDMI x1, VGA x1
Display Resolution	3840x2160, 1920x1080, 1280x720
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	H.265, H.264, MJPEG
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

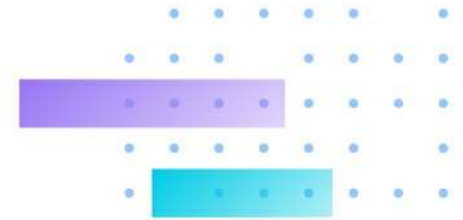|	
Audio Format	G.711, G.726
Audio In/Out	3.5 Phone Jack Audio Output x1 3.5 Phone Jack Audio Input (Reserved) x1

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

Storage & Backup

HDD Devices	Internal x4 (3.5") *HDD purchased 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 thumbnail of recorded video (Max. 2-CH)
Snapshot	JPEG

Video Clip Export	Supported

Network

Ethernet	10/100/1000Mbps Ethernet (RJ-45) x2
Network Throughput Input/Output 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, Fan error
Event Action	Record, Email (Text), Email (Snapshot), FTP, Buzzer, ePTZ Control (Go to Preset), NVR DO, Camera DO, VIVOCloud APP Notification
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

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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	Supported
Smart Search II	Supported
Trend Micro IoT Security	Supported
Cybersecurity Management	Supported

Remote Client

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Software AP	Shepherd, VAST 2, VSS (coming soon)
Mobile/Tablet App	iViewer (Android & iOS)
Web Browser	Chrome
VIVOCloud	Supported

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)
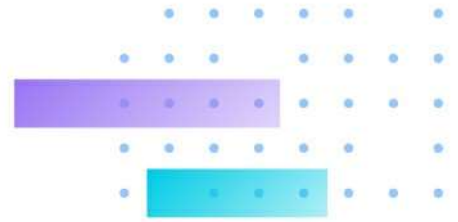
Humidity	0 ~ 95%
Safety Certifications	CE, LVD, FCC, VCCI, C-Tick, UL, CB, BSMI, BIS
Warranty	36 months

Dimensions

432 mm   421.7 mm   66 mm
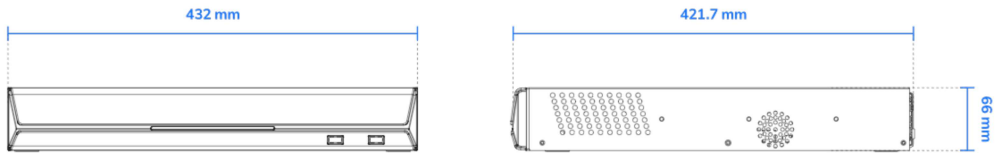
Ordering Information

Model	Description	P/N
ND9542P	H.265, 32 Channels, 16 PoE, 4*HDD, Deep Search NVR	100B05500G, N/A (no power cord)
		100B05510G, USA
		100B05520G, EU
		100B05530G, UKB
		100B05540G, AUN

Mechanical Information
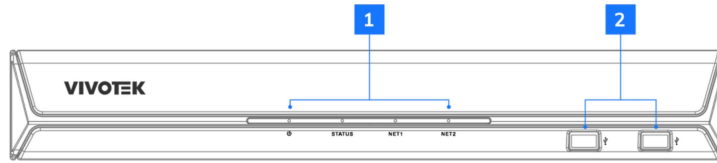
1	LED Indicators
2	USB 2.0
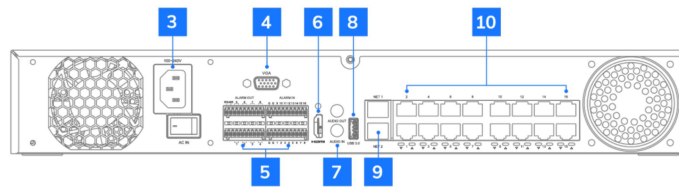
3	100-240V AC Power Input	7	Audio In/Out
4	VGA	8	USB 3.0
5	16 x Alarm In 8 x Alarm Out	9	Ethernet x2
6	HDMI	10	16 x 802.3at/af PoE ports