

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

- 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
- VIVO Cloud App, VAST 2, and VAST Security Station (VSS)
- Made in Taiwan





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
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 8192x8192
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

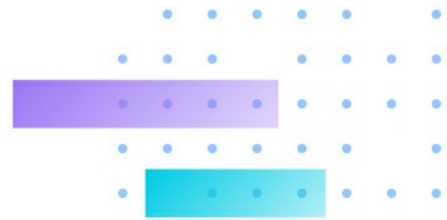
Recording Time (sec.)	Pre-Record: 5 (Max. 10) Post-Record: 20 (Max. 300)
Recording Stream	Dual
Recording Throughput	192 Mbps
Recording Mode	Continuous, Schedule, Manual, Event, Activity Adaptive Streaming
Recording Setting	Recycle (unit: Day)
Watermark	Supported

Storage & Backup

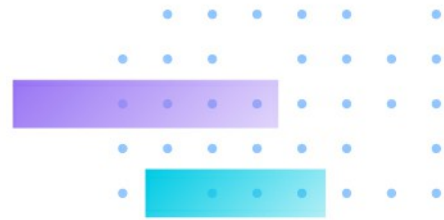
HDD Devices	Internal x4 (3.5") *HDD purchased separately.
HDD Max. Capacity	*Please refer to the recommended HDD list on the VIVOTEK website.
RAID	RAID 0, 1, 5
Disk Management	Create, Format and Remove Disk HDD S.M.A.R.T.
External Storage	USB Storage (USB 3.0)
Video Clip Export	USB Dongle (FAT Format)
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 thumbnails of recorded video (Max. 2-CH)
Snapshot	JPEG

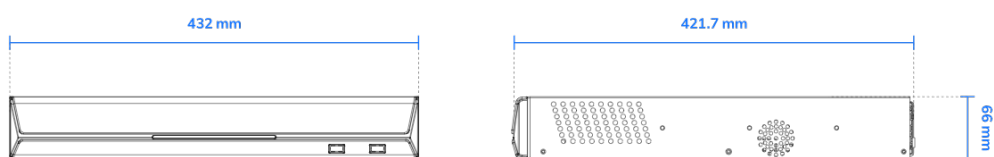


Video Clip Export	Supported
Network	
Ethernet	10/100/1000Mbps Ethernet (RJ-45) x2
Network Throughput Input/Output Total	224 Mbps
PoE	802.3at/af compliant PoE ports x 16 (Total Max. 200 W) * DO NOT suggest connecting any non-PD device with this NVR PoE port in order to avoid potential risk.
PoE Management	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	
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	
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)



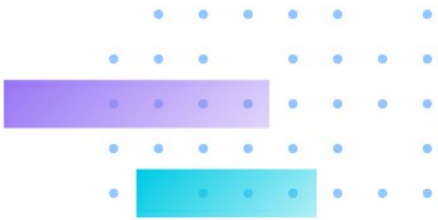
Humidity	0 ~ 95%
Safety Certifications	CE, LVD, FCC, VCCI, C-Tick, UL, CB, BSMI, BIS
Warranty	36 months

Dimensions

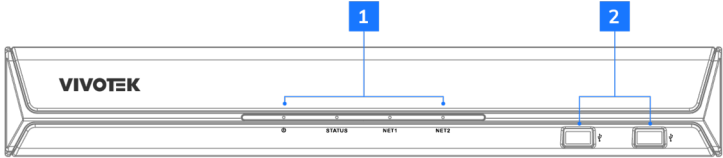


Ordering Information

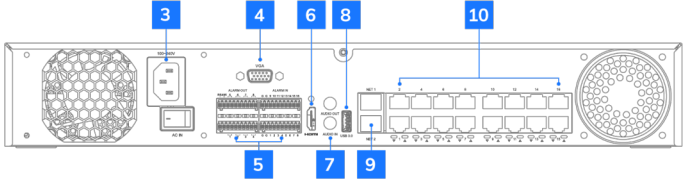
Model	Description	P/N
ND9442P	H.265, 16 Channels, 16 PoE, 4*HDD, Deep Search NVR	100B05400G, N/A (no power cord)
		100B05410G, USA
		100B05420G, EU
		100B05430G, UKB
		100B05440G, AUN



Mechanical Information



- 1 LED Indicators
- 2 USB 2.0



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

