![VIVOTEK]

2 year warranty VIVOTEK

ND8422P
16-CH Embedded Plug & Play NVR

8x PoE Ports · 2x HDD · RAID · Fisheye Dewarp · Mobile VIVOCloud ·
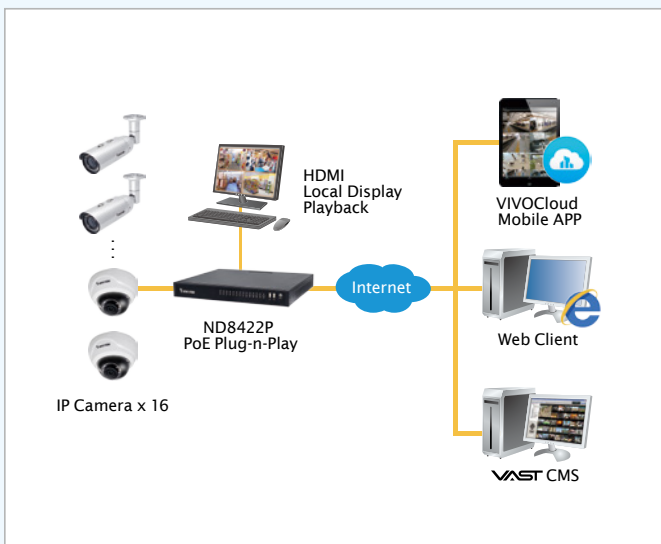Auto Adaptive Stream · HDMI/VGA Monitor Display · ONVIF · POS

VIVOTEK ND8422P is a Linux embedded 16-CH standalone NVR with 8-port 802.3af Compliant PoE, allowing connection with PoE cameras for a max. 120 W power supply. ND8422P also features "One Button Setup" with its plug-&-play and auto-setup functionality, making this advanced unit surprisingly simple to install, and suitable for any small-scale video surveillance applications.

Supporting HDMI and VGA local video output, users can control the GUI OSD interface via mouse & keyboard, eliminating the need for a separate PC to search video or to playback from the NVR. The new local display design - Auto Adaptive Stream will dynamically modify Stream 2 resolution of a camera to best fit the display resolution according to the layout type, resulting in an efficient display, while maintaining superb image quality. Further, the RAID 0/1 configuration provides further data security in the rare event of a hard drive failure. Meanwhile, ND8422P supports software fisheye camera de-warping function, providing right angle of video view and detailed information for usage. What's more, ND8422P, featuring various I/O ports, such as eSATA port, alarm input/output, RS232, and RS485 provides users great flexibility of applications.

With VAST CMS, users can set up IP surveillance system with ease. For remote and mobile access, VIVOTEK also provides VIVOCloud and iViewer app, for both iOS and Android handheld devices, enabling users to monitor live video anytime, anywhere.
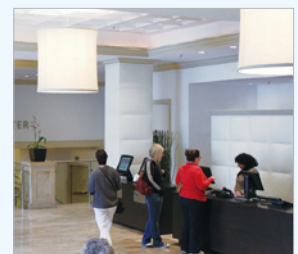
Key Features

· Plug & Play One Button Auto Setup
· VIVOCloud by Scanning QR Code for 24/7 Mobile Viewing
· Intuitive, Elegant Interaction UI
· 8x 802.3af Compliant PoE Ports
· VIVOTEK Camera Configuration and VAST CMS Integrated
· Live and Playback Fisheye Dewarp
· Embedded Linux OS
· e-SATA for Extension Storage
· Support RAID 0/1 Storage
· Story Board Event Search
· ONVIF Open Platform
· Fanless Design
· Up to 12MP Camera Liveview & Playback (FE series)
· POS Integration (Project Support Function)
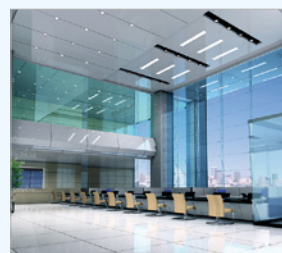· Watermark

ND8422P Application Scenario

Department Store

Hotel

Commercial Building

Supermarket

Hardware Information

Model	ND8422P
System	
OS	Embedded Linux
Watchdog	Hardware + Software
Power Restoration	System Restart Automatically after Power Recovery
Storage	
HDD Devices	Internal x2
HDD Max. Capacity	8 TB x2
Disk Management	Create, Format and Remove Disk HDD S.M.A.R.T RAID 0, 1
Video	
Video Output	HDMI x1, VGA x1
Resolution	1920x1080, 1280x720
Graphics Decoder	Hardware decoding
Decording Capacity	H.264: 2560x1920 @ 30 fps (1-CH) 1920x1080 @ 120 fps (4-CH) 1280x720 @ 240 fps (8-CH) 720x480 @ 480 fps (16-CH)
Camera Position	Change the viewcell position on the Live View screens
External Interface	
USB Interface	Front: 2 (USB 2.0) Back: 1 (USB 2.0)
Alarm In	8
Alarm Out	4
Audio	3.5 Phone Jack Audio Output x1 3.5 Phone Jack Audio Input (Reserved) x1
External HDD	eSATA Port x1
RS232	1 Port (Reserved)
RS485	1 Port (Reserved)
Network	
Network Interface	10/100/1000Mbps Ethernet (RJ-45) x1 *It is highly recommended to use standard Cat. 5e & Cat. 6 cables which are compliant with the 3P/ETL standard.
PoE	8x 802.3af Compliant PoE Ports (Total Max. 80W) Please connect an external network switch for further on-line cameras. (Support all VIVOTEK PoE Switch)

Protocols	IPv4, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, SMTP, FTP, DHCP, NTP, DNS, DDNS, IP Filter
Power	
Power Input	DC 56V 2.32A
Power Consumption	Max. 120 W
LED Indicator	
LED Indicator	Power, Status, Record, HDD1, HDD2, eSATA, Ethernet, Port 1 ~ Port 8
Mechanic	
Form Factor	Desktop
Opateration Buttons	Power (Front) / Reset (Back)
Dimensions	360 (W) x 311 (D) x 44 (H) mm
Weight	2.7 kg (without HDD)
Operating Temperature	0˚C ~ 40˚C (32˚F ~ 104˚F)
Humidity	0 ~ 95%
General	
Safety Certifications	CE, LVD, FCC, VCCI, C-Tick, UL
Warranty	24 months
Client PC Requirements	
Operating System	Microsoft Windows OS: XP/Vista/7/8/2008/2012
CPU	Intel Celeron or above
Memory	2 GB or above
Ethernet	10/100Mbps
Display Resolution	1024x768 pixels or above
Web Browser	Internet Explorer 10 (32 bit) or above
Software AP	Installation Wizard 2, ST7501, Shepherd, VAST , VAST2
Mobile/Tablet App	VIVOCloud (iOS/Android), iViewer (iOS/Android)
Accessories	
CD	User's Manual, Quick Installation Guide (QIG), Installation Wizard 2
Others	Power Adapter, Power Cord, Quick Installation Guide, 16 x H.D.D. Screws, 4 x H.D.D. Brackets, 1 x USB Mouse, 2 x SATA Cables

Software Information

Record	
Maximum Channel	16
Record Throughput (MB)	96 Mbps
Network Throughput (MB)	24 Mbps
Audio Format	G.711, G.726
Video Format	MJPEG, H.264
Video Resolution	VGA, 1MP, 2MP, 3MP, 5MP & 12MP (FE series) Camera
Array Type	RAID 0, 1
Recording Time (sec.)	Pre-Record: 5 (Max. 10) Post-Record: 20 (Max. 300)
Recording Stream	Single
Recording Mode	Continuous, Schedule, Manual, Event, Activity Adaptive Streaming
Recording Setting	Recycle (unit: Day)
Recording Path	Local Path
Record Video Format	3GP
Watermark	Supported
LiveView (Local Display)	
Stream Application	Constant\Auto Adaptive Stream
LiveView Display	16 Channels Multi Layout Display: 1x1, 3V, 2x2, 3x3, 1P+3, 2P+3, 1M+5, 1P+6, 1M+12, 4x4
Monitor Enhancement	OSD Display (NVR), OSD Display (Camera), Camera Information, Remote I/O Control, Event Notification, Aspect Ratio Fisheye Dewarp: 1O, 1P, 1R, 1O3R, 1O8R
PTZ Control	Panel Control/Joystick
PTZ Operation	Direction Control, Home, Iris, Preset, Patrol (Group), PiP Control
Playback (Local Display)	
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)
Monitor Enhancement	OSD Display (Camera), Event Notification, Aspect Ratio, PiP Control, Fisheye Dewarp (1O, 1P, 1R, 1O3R, 1O8R)
Snapshot	JPEG
Video Clip Export	EXE
LiveView (Remote)	
Stream Application	Stream Selection
Audio Capability	One Way
LiveView Display	16 Channels Multi Layout Display: 1x1, 2x2, 3x3, 1V+3, 1M+5, 1M+12, 4x4
Monitor Enhancement	OSD Display (NVR), Drag & Drop, Image Freeze, Audio Control, Remote I/O Control, Event Notification, Bookmark, Fisheye Dewarp (1O, 1P, 1R)
PTZ Control	Panel Control
PTZ Operation	Direction Control, Home, Zoom, Focus, Iris, Preset, Patrol (Group), PiP Control
Snapshot	JPEG
Playback (Remote)	
Playback Display	4 Channels Multi Layout Display: 1x1, 2x2, 1V+3
Playback Control	Regular (Play, Pause, Stop), Next Frame, Speed Control, Calendar, Timeline, Timeline Scale, Bookmark
Monitor Enhancement	OSD Display (NVR), Drag & Drop, Audio Control, PiP Control, Fisheye Dewarp (1O, 1P, 1R)
Snapshot	JPEG

Video Clip Export	EXE
Alarm Management	
Schedule Type	Continuous, Schedule, Manual
Event	Motion Detection, PIR Detection, Tampering Detection, Digital Input (Camera), Digital Output (Camera), Connection Abnormal, Storage Abnormal, Storage Full, Camera Network Loss, DI, DO
Action	Record, Email (Text), Email (Snapshot), FTP, Buzzer, PTZ Control (Go to Preset), NVR DO, Camera DO, VIVOCloud APP Notification
Recording Time (sec.)	Pre-Record: 5 (Max. 10), Post-Record: 20 (Max. 300)
Backup	
Manual	USB Dongle (FAT Format)
Remote	Schedule backup to FTP
System	
User Management	User Account: 16 User Account Time Limit: 10 mins User Level: Administrator / Regular User User Feature Definition: By Camera
Log	System, Recording, User, Error
Date&Time	Time Zone, Manual, Automatic Sync NTP, Daylight Saving Time
Firmware	Manual update
Restore Default	Supported
Backup/Restore (Configuration)	Supported
Language	Czech, English, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Simplified Chinese, Traditional Chinese
Camera Integration	
Insert Camera	Manual, Search
Video (Media) Setting	Compression, Resolution, FPS, Video Quality
Image Setting	Image Display, Image Adjustment
PTZ Control	Panel Control
PTZ Operation	Direction Control, Home, Preset, Patrol (Group)
Motion Detection	Supported
ONVIF Core Spec	Version 2.2 or above (By Project)
ONVIF Stream	Video (H.264 & MJPEG)
ONVIF Recording	Continuous, Schedule, Manual
ONVIF Discover	Discover the other brand camera through "Insert Camera & Batch Insert"
Device Integration	
UPS	APC Model Compatible
Joystick	IPD-USB, AJ-001

Dimensions

311 mm