

ND8422P

16-CH Embedded Plug & Play NVR



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

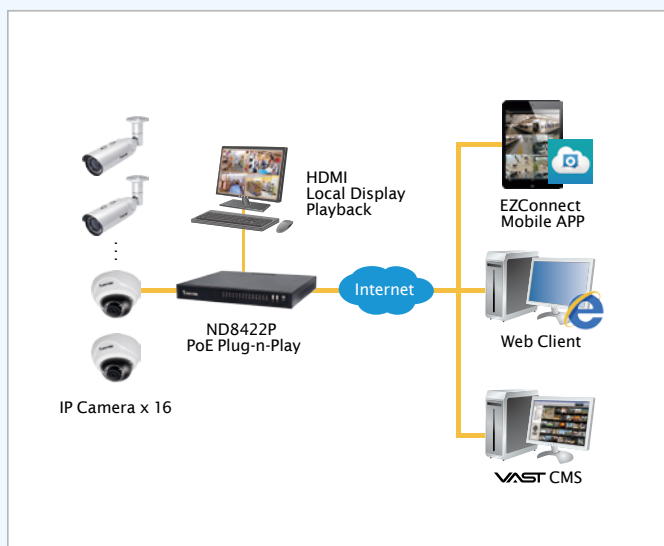
VIVOTEK ND8422P is a Linux embedded 16-CH standalone NVR with 8-port 802.3af Compliant PoE, allowing connection with PoE cameras for a max. 120 W power supply. ND8422P also features "One Button Setup" with its plug-&-play and auto-setup functionality, making this advanced unit surprisingly simple to 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 EZConnect and iViewer app, for both iOS and Android handheld devices, enabling users to monitor live video anytime, anywhere.

Key Features

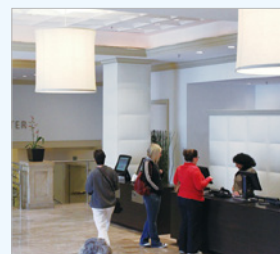
- Plug & Play One Button Auto Setup
- EZConnect by Scanning QR Code for 24/7 Mobile Viewing
- Intuitive, Elegant Interaction UI
- 8x 802.3af Compliant PoE Ports
- VIVOTEK Camera Configuration and VAST CMS Integrated
- Live and Playback Fisheye Dewarp
- Embedded Linux OS
- e-SATA for Extension Storage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



ND8422P Application Scenario



Department Store



Hotel



Commercial Building



Supermarket

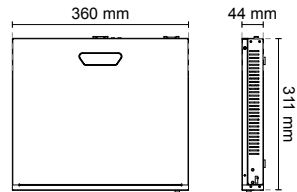
Hardware Information

Model	ND8422P	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)
System		Protocols	IPv4, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, SMTP, FTP, DHCP, NTP, DNS, DDNS, IP Filter
OS	Embedded Linux	Power	
CPU	ARM Processor	Power Input	DC 56V 2.32A
Flash	256 MB	Power Consumption	Max. 120 W
RAM	2 GB	LED Indicator	
Watchdog	Hardware + Software	LED Indicator	Power, Status, Record, HDD1, HDD2, eSATA, Ethernet, Port 1 ~ Port 8
Power Restoration	System Restart Automatically after Power Recovery	Mechanic	
Storage		Form Factor	Desktop
HDD Devices	Internal x2	Operation Buttons	Power (Front) / Reset (Back)
HDD Max. Capacity	8 TB x2	Dimensions	360 (W) x 311 (D) x 44 (H) mm
Disk Management	Create, Format and Remove Disk HDD S.M.A.R.T	Weight	2.7 kg (without HDD)
Video		Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Video Output	HDMI x1, VGA x1	Humidity	0 ~ 95%
Resolution	1920x1080, 1280x720	General	
Graphics Decoder	Hardware decoding	Safety Certifications	CE, LVD, FCC, VCCI, C-Tick, UL
	H.264:	Warranty	24 months
	2560x1920 @ 30 fps (1-CH)	Client PC Requirements	
Decoding Capacity	1920x1080 @ 120 fps (4-CH) 1280x720 @ 240 fps (8-CH) 720x480 @ 480 fps (16-CH)	Operating System	Microsoft Windows OS: XP/Vista/7/8/2008/2012
Camera Position	Change the viewcell position on the Live View screens	CPU	Intel Celeron or above
External Interface		Memory	2 GB or above
USB Interface	Front: 2 (USB 2.0) Back: 1 (USB 2.0)	Ethernet	10/100Mbps
Alarm In	8	Display Resolution	1024x768 pixels or above
Alarm Out	4	Web Browser	Internet Explorer 10 (32 bit) or above
Audio	3.5 Phone Jack Audio Output x1 3.5 Phone Jack Audio Input (Reserved) x1	Software AP	Installation Wizard 2, ST7501, VAST
External HDD	eSATA Port x1	Mobile/Tablet App	EZConnect (iOS/Android), iViewer (iOS/Android)
RS232	1 Port (Reserved)	Accessories	
RS485	1 Port (Reserved)	CD	User's Manual, Quick Installation Guide (QIG), Installation Wizard 2
Network		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
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.		

Software Information

Record		Snapshot	JPEG
Maximum Channel	16	Video Clip Export	EXE
Record Throughput (MB)	96 Mbps	Alarm Management	
Network Throughput (MB)	24 Mbps	Schedule Type	Continuous, Schedule, Manual
Audio Format	G.711, G.726	Event	Motion Detection, PIR Detection, Tampering Detection, Digital Input (Camera), Digital Output (Camera), Connection Abnormal, Storage Abnormal, Storage Full, Camera Network Loss, DI, DO
Video Format	MJPEG, H.264	Action	Record, Email (Text), Email (Snapshot), FTP, Buzzer, PTZ Control (Go to Preset), NVR DO, Camera DO
Video Resolution	VGA, 1MP, 2MP, 3MP, 5MP & 12MP Camera	Recording Time (sec.)	Pre-Record: 5 (Max. 10), Post-Record: 20 (Max. 300)
Array Type	RAID 0, 1	Backup	
Recording Time (sec.)	Pre-Record: 5 (Max. 10) Post-Record: 20 (Max. 300)	Manual	USB Dongle (FAT Format)
Recording Stream	Single	System	
Recording Mode	Continuous, Schedule, Manual, Event, Activity Adaptive Streaming	User Management	User Account: 16 User Account Time Limit: 10 mins User Level: Administrator / Regular User User Feature Definition: By Camera
Recording Setting	Recycle (unit: Day)	Log	System, Recording, User, Error
Recording Path	Local Path	Date&Time	Time Zone, Manual, Automatic Sync NTP, Daylight Saving Time
Record Video Format	3GP	Firmware	Manual update
LiveView (Local Display)		Restore Default	Supported
Stream Application	Auto Adaptive Stream	Backup/Restore (Configuration)	Supported
LiveView Display	16 Channels Multi Layout display: 1x1, 1x3 (Corridor View), 2x2, 3x3, 4x4, 1+5, 1+3, 1+12, 1+1+3 (1P), 1+3+3 (1P)	Language	Czech, English, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Simplified Chinese, Traditional Chinese
Monitor Enhancement	OSD Display (NVR), OSD Display (Camera), Camera Information, Remote I/O Control, Event Notification, Aspect Ratio Fisheye Dewarp: 10, 1P, 1R, 1O3R, 1O8R	Camera Intergration	
PTZ Control	Panel Control	Insert Camera	Manual, Search
PTZ Operation	Direction Control, Home, Iris, Preset, Patrol (Group), PiP Control	Video (Media) Setting	Compression, Resolution, FPS, Video Quality
Playback (Local Display)		Image Setting	Image Display, Image Adjustment
Playback Display	4 Channels Multiple Layout Display: 2x2	PTZ Control	Panel Control
Playback Control	Regular (Play, Pause, Stop), Rewind, Next / Previous Frame, Speed Control, Calendar, Event, Timeline, Timeline Scale, Thumbnail (Storyboard)	PTZ Operation	Direction Control, Home, Preset, Patrol (Group)
Video Search	By calendar, date/time, and alarm	Motion Detection	Supported
Thumbnail Explorer (Storyboard)	Listing the thumbnail of recorded video (Max. 2 CH)	ONVIF Core Spec	Version 2.2 or above (By Project)
Monitor Enhancement	OSD Display (Camera), Event Notification, Aspect Ratio, PiP Control, Fisheye Dewarp (10, 1P, 1R, 1O3R)	ONVIF Stream	Video (H.264, MPEG4 & MJPEG)
Snapshot	JPEG	ONVIF Recording	Continuous, Schedule, Manual
Video Clip Export	EXE	ONVIF Discover	Discover the other brand camera through "Insert Camera & Batch Insert"
LiveView (Remote)		Device Intergration	
Stream Application	Stream Selection	UPS	APC Model Compatible
Audio Capability	One Way		
LiveView Display	16 Channels Multi Layout display: 1x1, 2x2, 3x3, 4x4, 1+3, 1+5, 1+12		
Monitor Enhancement	OSD Display (NVR), Drag & Drop, Image Freeze, Audio Control, Remote I/O Control, Event Notification, Bookmark, Fisheye Dewarp (10, 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, 1+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 (10, 1P, 1R)		

Dimensions



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