VIVOTEK
A Delta Group Company

V Series

ND9425P

H.265 16-CH Embedded PoE NVR

Technical Specifications

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Descriptions	16-CH Embedded PoE NVR

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

Display	
LiveView Display	16 Channels Multi Layout Display: 1x1, 1M+5, 1M+7, 1M+12, 1P+3, 1P+6, 1V+6, 2x2, 2P+3, 2V+3, 3x3, 3V, 4x4
Video Output	HDMI x1, VGA x1
Display Resolution	3840x2160, 1920x1080, 1280x720
Stream Application	Constant\Auto Stream
Fisheye Dewarp	Local: 1O, 1R, 1O3R, 1O8R 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 3840x2160
Decoding Capability	3840x2160 @ 30 fps (1-CH) 1920x1080 @ 120 fps (4-CH) 1280x720 @ 240 fps (8-CH) 720x480 @ 480 fps (16-CH)

Audio

Audio Format	G.711, G.726

Record

Recording Time (sec.)	Pre-Record: 5 (Max. 10) Post-Record: 20 (Max. 300)
Recording Stream	Single
Recording Throughput	64 Mbps
Recording Mode	Continuous, Schedule, Manual, Event
Recording Setting	Recycle (unit: Day)
Watermark	Supported

Storage & Backup

DISK Devices	Internal x2 (3.5") (HDD is purchased separately)
HDD Max. Capacity	Please refer to HDD supported list on VIVOTEK website
RAID	RAID 0, 1
Disk Management	Create, Format and Remove Disk HDD S.M.A.R.T
External Storage	USB Storage (USB 3.0)
Video Clip Export	USB pen drive (FAT Format)
Schedule Backup	FTP

Playback

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	Calendar Date/Time Alarm
Thumbnail Explorer (Storyboard)	Listing the thumbnail of recorded video (Max. 2 CH)
Snapshot	JPEG
Video Clip Export	EXE

Network

Ethernet	10/100/1000Mbps Ethernet (RJ-45) x1
Network Throughput in total	88 Mbps
PoE	802.3at/af compliant PoE ports x16 (Total Max. 200W)
PoE Management	Supported
Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, SMTP, FTP, DHCP, NTP, DNS, DDNS, IP Filter

External Interface

USB	Front: 1 (USB 3.0) Back: 1 (USB 2.0)
Alarm In	x4 (max. 30VDC)
Alarm Out	x1 (DO: max. 1A/30VDC)
Audio In	3.5 mm Phone Jack Audio Input x1 (HW available, FW feature not supported yet)
Audio Out	3.5 mm Phone Jack Audio Output x1

System	
Camera Integration	ONVIF Profile S
Event	Motion Detection, Smart VCA Event, PIR Detection, Tampering Detection, Camera DI/DO, Camera Disconnected, Disk Failure, Disk Full, NVR DI/DO, PoE error
Event Action	Video recording email with snapshot PTZ FTP Buzzer DO (camera, system) full screen send to CMS 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

Advance Features	
VCA Counting Solution	Supported
VCA Event Search	Supported
Trend Micro IoT Security	Supported (3-year free trial)
Cybersecurity Management	Supported

Remote Client	
Software AP	Shepherd, VAST 2, VSS
Mobile/Tablet App	iViewer (Android & iOS)
Web Browser	Internet Explorer 10 (32 bit) or later/ Windows Chrome v68.0.3 or later/ Windows for new web
Cloud service	VIVOCloud

General	
Power Input	100-240V AC, 50/60Hz
Power Consumption	Max. 255 W
Dimensions	320 (D) x 366 (W) x 46 (H) mm
Weight	2.5 kg
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)

Humidity	0 ~ 95%

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