NR9581

H.265 2U 32-CH NVR

H.265 · VAST Inside · 32 Channel · 8x HDD · ONVIF · Dual LAN · Fisheye Dewarp · Local Display · RAID · Redundant Power

VIVOTEK's NR9581 is a full-featured high-performance H.265 NVR. Equipped with a 2U 32-CH 8 Bay Rackmount network appliance, standard RAID capability and H.265 video codec, the total storage capacity of the NVR also endows the NR9581 with scalability and flexibility, making it perfect for large-scale transport or industrial applications as well as public spaces such as campuses.

The NR9581's 8 hard-drive bay design provides for a storage capacity of up to 80TBs, offering greater than 30% ~ 50% more recording capacity than systems employing H.264 compression. This advance affords users larger storage space for longer durations of video recording. The RAID 0/1/5/6/10 configuration provides further data security in the rare event of a hard drive failure. Further, equipping the NR9581 with a DOM system has resulted in reliability and stability beyond the reach of other NVRs. Meanwhile, the NR9581 supports VIVOTEK's fisheye network camera "Fisheye Dewarp" function, which provides multiple de-warping modes in live view and playback, ensuring the correct angle of video view and detailed information for flexible usage. This ingenious NVR is also equipped to carry out remote management with a full range of the server/client structures and thus constitutes a robust system for diverse applications.

Moreover, the NR9581 features well-built ONVIF compliance and scalable configuration, with VAST CMS empowering users to set up and manage advanced IP surveillance systems with ease. The NR9581 also supports both remote and mobile access via iViewer app, for both iOS and Android handheld devices. The NR9581 represents a great advance in the field, providing users an open, intelligent and seamless NVR to meet market demands.

Key Features

· H.265/H.264 Compression Technology
· 32-CH Recording, 1+31 Display
· Support HDMI, Display Port, VGA and DVI Simultaneous Output
· 8 Hot-Swappable HDD Bays
· Support RAID 0/1/5/6/10 Storage
· Max Support up to 80TB HDD
· Redundant Power
· VIVOTEK VAST Inside (LiveClient/Playback)
· Dual Lan Giga Network Ports
· ONVIF Open Platform
· VIVOTEK Camera Configuration and VAST CMS Integrated
· Multiple Fisheye Dewarp Support
· Multiple Video Search Modes

Campus

Hospital

Industry

Transportation

Hardware Information

Model	NR9581
System	
OS	Embedded Windows
Watchdog	Hardware + Software
Power Restoration	System Restart Automatically after Power Recovery
Storage	
HDD Devices	Hot-Swappable Tray x8
HDD Max. Capacity	*Please refer to the HDD supported list on the VIVOTEK website.
Disk Management	Create, Format and Remove Disk RAID 0, 1, 5, 6, 10
Video & Audio	
Video Output	HDMI x1, Display Port x1, VGA x1, DVI x1
Resolution	HDMI: 3200x2000 DP: 3200x2000 VGA/DVI: 1920x1200
Graphics Decoder	Software decoding
Decoding Capacity	H.265/H.264: 1920x1080 @ 270 fps (4Mbps)
Camera Position	Change the viewcell position on the Live View screens
External Interface	
USB Interface	USB 2.0 x4 USB 3.0 x2
Audio	Microphone audio jack Input x1 3.5 Line input audio jack x1 3.5 Line output audio jack x1
Network	
Network Interface	10/100/1000Mbps Ethernet (RJ-45) x2
Protocols	IPv4,TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, SMTP, FTP, DHCP, NTP, DNS, DDNS, IP Filter
Power	
Power Input	Redundant Power 100~220V AC
Power Consumption	Max. 740 W

80 Plus Certified	Platinum
LED Indicator	
LED Indicator	Power, HDD, Net1, Net2, Overheat, Power fail
Mechanic	
Form Factor	2U Rackmount
Operation Buttons	Power, Reset
Dimensions	89 (H) x 437 (W) x 648 (D) mm
Weight	27 kg (without HDD)
Operating Temperature	5°C ~ 35°C (41°F ~ 95°F)
Humidity	0 ~ 95%
General	
Safety Certifications	CE, LVD, FCC, VCCI, C-Tick, UL
Warranty	36 months
Client PC Requirements	
Operating System	Microsoft Windows 8, 7, Vista, XP Microsoft Windows Server 2012, 2008, 2003, 2000
CPU	Intel Celeron or above
Memory	2 GB or above
Ethernet	10/100Mbps
Display Resolution	1024x768 pixels or above
Web Browser	Internet Explorer 11/10/9 (32 bit)
Software AP	Installation Wizard 2, Shepherd, VAST
Mobile/Tablet App	iViewer (iOS/Android)
Accessories	
Others	Power Cord, Quick Installation Guide, 8x H.D.D. Tray, 1x USB Mouse

Software Information

Record	
Maximum Channel	32
Record Throughput (MB)	512 Mbps
Network Throughput (MB)	400 Mbps
Audio Format	G.711, G.726, AMR, AAC
Video Format	MJPEG, MPEG4, H.264 AVC, H.264 SVC, H.265
Video Resolution	VGA, 1MP, 2MP, 3MP, 5MP & 9MP Camera
Recording Time (sec.)	Pre-Record: 3 ~ 15 Post-Record: 10 ~ 60
Recording Stream	Single
Recording Mode	Continuous, Schedule, Manual, Event, Activity Adaptive Streaming
Recording Setting	Recycle (unit: Size or Day)
Recording Path	Local Path or Network Path
Record Video Format	3GP
LiveView (Local Display)	
Stream Application	Stream Selection & Auto Stream Size
LiveView Display	32-Channel (with Dual Monitors) Multi Layout Display: 1x1, 2x2, 1+5, 3x3, 1+12, 4x4, 5x5, 1+31, 1P+2, 1P+6, 1P+8, 2V, 3V, 4V, 2V+3 Single Layout Display, Full Screen Display, Sequential Display
Monitor Enhancement	Drag & Drop, Remote I/O Control, PiP (Digital Zoom), Instant Replay, De-interlace, Video Display Mode (Aspect Ratio, Hide Borders, Keep Top/Down Borders), Fisheye Dewarp (Regular: 1O, 1P, 1R, 1O3R, 4R; Wall Mount: 1P2R, 1P3R; Ceiling/Floor Mount: 2P, 4R Pro, 1O8R), Video Enhancement (Basic Mode: Brightness, Contrast, Saturation, Hue; Intelligent Mode: Defog, Rain, Snow, Fire / Smoke)
PTZ Control	Panel Control & Mouse Click Control
PTZ Operation	Direction Control, Home, Zoom, Focus, Iris, Preset, Patrol (Group), Pan, Stop, Speed
Playback (Local Display)	
Playback Display	16 Channels Multi Layout Display: Multi Layout Display: 1x1, 2x2, 1+5, 3x3, 1+12, 4x4, 2V, 3V, 4V, 2V+3 Single Layout Display, Full Screen Display, Sequential Display
Playback Control	Play, Rewind, Pause, Stop, Next/Previous Video Start, Next/Previous Frame, 1/8X ~ 64X Speed Control, Bookmark
Video Search	Browsing, Date & Time (Fast), Event, Bookmark, Alarm, Log, Timeline, Timeline Scale
Monitor Enhancement	Drag & Drop, PiP (Digital Zoom), De-interlace, Video Display Mode (Aspect Ratio, Hide Borders, Keep Top/Down Borders), Fisheye Dewarp (Regular: 1O, 1P, 1R, 1O3R, 4R; Wall Mount: 1P2R, 1P3R; Ceiling/Floor Mount: 2P, 4R Pro, 1O8R), Video Enhancement (Basic Mode: Brightness, Contrast, Saturation, Hue; Intelligent Mode: Defog, Rain, Snow, Fire/Smoke)
Snapshot	JPEG & BMP
Video Clip Export	AVI, 3GP & EXE
LiveView (Remote)	
LiveView Display	32 Channels Multi Layout display: 1x1, 2x2, 3x3, 4x4, 5x5, 1+5, 1+12, 1+31
Monitor Enhancement	Drag & Drop
PTZ Control	Panel Control
PTZ Operation	Direction Control, Home, Zoom, Preset
Snapshot	JPEG
Playback (Remote)	
Playback Display	1 Channel Multi Layout display: 1x1
Playback Control	Regular (Play, Pause, Stop), Speed Control, Timeline, Timeline Scale
Monitor Enhancement	Drag & Drop
Snapshot	JPEG
Alarm Management	
Schedule Type	Continuous, Schedule, Manual
Camera Event	Motion, DI/O, Video Lost/Restore, PIR, Tampering, Temperature, IR, Line Crossing Detection, Loitering Detection, Field Detection

Camera Status	Connection Status, Recording Status, Recording Error
Substation	Substation Connection Status
Storage Status	Storage Connection Status, Storage Capacity Status
Station Status	License Status, Network Status, Virtual Memory Status
Action	Email, Start Recording, Set DO, GSM Short Message, HTTP & Client Notification
Recording Time (sec.)	Max. 30
Backup	
Manual	USB Dongle (FAT Format) Local Path Network Path (NAS (SMB & CIFS))
Schedule	Network Path (NAS (SMB & CIFS))
System	
User Management	Authentication: Basic Account / Windows AD Account User Account: 1024 User Account Time Limit: No limitation User Level: Administrator / Power User / User / Operation / Guest
Log	Operation, System and Event Log
Date&Time	Sync Server
Firmware	Manual update
Restore Default	Supported
Backup/Restore (Configuration)	Supported
Language	Czech, English, French, German, Italian, Japanese, Persian, Portuguese, Russian, Spanish, Simplified Chinese, Traditional Chinese
Camera Intergration	
Insert Camera	Manual, Search
Video (Media) Setting	Compression, Resolution, FPS, Video Quality
Audio Setting	Codec, Bitrate
PTZ Control	Panel Control & Mouse Click Control
PTZ Operation	Direction Control, Home, Zoom, Focus, Iris, Preset, Patrol (Group), Pan, Stop, Speed
Motion Detection	Supported
ONVIF Core Spec	Version 2.2 or above (By Project)
ONVIF Stream	Video (H.264, MPEG4 & MJPEG) & Audio (G.711, One Way)
ONVIF Recording	Continuous, Schedule, Manual
ONVIF Control	PTZ Control (Up, Down, Left, Right & Zoom In/Out)
ONVIF Discover	Discover the other brand camera through "Insert Camera & Batch Insert"
Device Intergration	
UPS	Windows UPS Compatible
Joystick	VIVOTEK USB Joystick All Windows® Compatible USB Joystick
I/O Box	Advantech ADAM-6000
Switch	VIVOTEK VivoCam PoE Switch (AW-GEV Series)

Dimensions

89 mm   648 mm   437 mm

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