



ND9441 ND9541 H.265 16-CH/32-CH Embedded NVR



H.265/H.264 · 4x HDD · ONVIF · Dual LAN · Fisheye Dewarp · HDMI/VGA Monitor Display · Storyboard Search · Mobile EZConnect

VIVOTEK'S ND9441 and ND9541 are the brand new H.265 Linux-based embedded standalone NVRs. Equipped for up to 16-CH/32-CH network cameras, the NVRs feature well-built ONVIF compliant and scalable configuration with VAST CMS empowering users to set up and manage advanced IP surveillance systems with ease. Both NVRs also support remote and mobile access, via EZConnect and iViewer app, for both iOS and Android handheld devices, providing users an open, flexible and intelligent NVRs for seamless use in small to medium sized video surveillance applications.

With H.265 compression technology and embedded with 4 HDD design providing up to 24TB, the ND9441 and the ND9541 offer greater than 30% ~ 50% more recording capacity than systems employing H.264 compression. This advance gives users larger storage space for longer durations of video recording. In order to provide uninterrupted service even when the network is temporally disrupted, both NVRs are also equipped with dual Ethernet ports, as well as providing the flexibility to connect with network cameras in network failover situations. Further enabling the recording of high-quality and detailed images, the ND9441 and the ND9541 support a maximum network camera resolution of 12-Megapixels. To intelligently manage bandwidth while maintaining this high-quality, the "Auto Adaptive Stream" function will adjust the display resolution automatically for each different layout type. Moreover, both NVRs support 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. Further, to quickly and intuitively find any target event, the ND9441 and the ND9541 are equipped with "Story-Board Search" function, which provides a glimpse of past recordings over an intuitive timeline.

Finally, the ND9441 and the ND9541 support HDMI and VGA local video output, so users can control the GUI OSD interface via mouse & keyboard, eliminating the need for a separate PC to search video or playback from the NVRs. Moreover, the intuitive and friendly VIVOTEK GUI design gives users an even smoother experience of control than ever before.

Features

- · H.265/H.264 Compression Technology
- \cdot Plug & Play One Button Auto Setup
- · EZConnect by Scanning QR Code for 24/7 Mobile Viewing
- · Intuitive, Elegant Interaction UI
- VIVOTEK Camera Configuration and VAST CMS Integrated
- · Live and Playback Fisheye Dewarp
- \cdot Embedded Linux OS
- · Story Board Event Search
- · Up to 12MP Camera Liveview & Playback
- · Dual Lan Network Ports with Failover Function
- \cdot ONVIF Open Platform (Project Support Function)

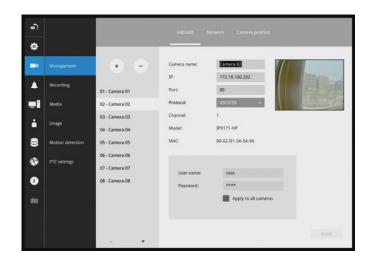
H.265 Compression Technology

To provide high-quality images and efficient video compression for today's surveillance applications, VIVOTEK presents these two NVRs. Endowed with H.265 technology; these NVRs offer more than 30% ~ 50% greater recording capacity than systems employing H.264 compression - effectively giving users larger storage capacity for longer durations of high-quality video recording.



Intuitive UI

With a friendly and elegant interactive design, users can enjoy the benefit of simple operation and a UI that's easy on the eyes.



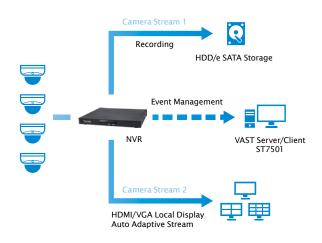
One Button Setup

In order to provide users a highly intuitive experience, VIVOTEK's NVRs provide Auto- Wizard for convenient system set-up, which takes less than 2 minutes to finish it.

Auto Adaptive Stream

With the "Automatic Adaptive Stream" function, the resolution of a Camera's second Stream will be adjusted automatically according to the display layout selected, thus reducing network bandwidth and saving on total project costs.







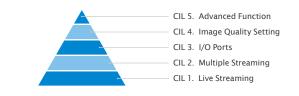
Dual LAN Application

The ND9441 and the ND9541 are equipped with dual Ethernet ports, providing the flexibility to cope with a network failover situation, as well as load-balancing or multi-IP setting.



CIL 5 (Camera Integration Level)

VIVOTEK'S NVR provides a powerful camera integration to Level 5, which integrates the camera's streaming adjustment, camera I/ O configuration, Image adjustment, and fisheye de-warp function application.

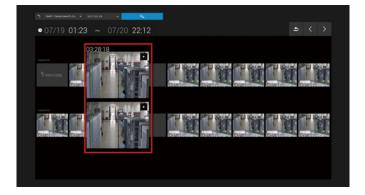


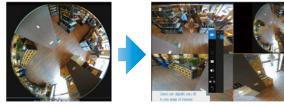
Story Board Event Search

To quickly and intuitively find any target event, we provide a glimpse of past recording over an intuitive timeline, allowing users to direct playback and archive their video within 10 seconds.

Fisheye Dewarp

VIVOTEK'S NVR offers both LiveView and Playback modes for one fisheye network camera simultaneously. They also provide multiple fisheye de-warp display modes, including 10, 1P, 1R, 103R, 108R, allowing users to monitor any angle, or to enjoy precise detailed images for a total surveillance experience.





*Support LiveView and Playback modes

EZConnect

EZConnect App provides users an unbeatable experience for mobile viewing NVR video via a mobile device from anywhere, at any time.

VAST CMS Integration

NVR

VIVOTEK'S NVR is both CMS compliant and a totally scalable configuration thanks to VAST CMS. This powerful tool enables users to set up and manage advanced IP surveillance systems with ease.

NVR



NVR

- · Camera Disconnection
- · Motion Detection
- Camera Tempering Detection
- · Camera Digital Input Trigger Event
- HDD Fail Events
- Camera Recording Status





Product - Order Information

Model	Description	Part Number
ND9441	H.265, 16-CH, 4HDD NVR	100139900G, US
		100139910G, EU
		100139920G, UK
		100139930G, AU
ND9541	H.265, 32-CH, 4HDD NVR	100139900G, US
		100139910G, EU
		100139920G, UK
		100139930G, AU

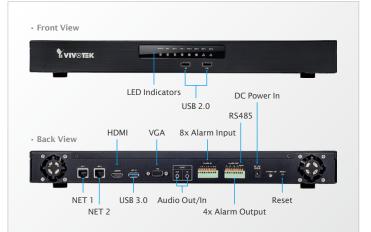
Accessory - Order Information

Model	Part Number
Surveillance HDD 1TB	900029300G
Surveillance HDD 2TB	900022500G
Surveillance HDD 3TB	900022400G
Surveillance HDD 4TB	900022300G
Surveillance HDD 6TB	900029100G
AM612 - Rack Mount Slide Rails	900030000G

PoE Switch - Order Information

Model	Description	Part Number
AW-FGT-260A-250		100128200G, US
		100128210Z, UK
	Unmanaged 24xFE PoE + 2xCombo GE Switch	100128220Z, EU
		100128230G, AU
		100128240G, JP
AW-FGT-180A-250		100130900G, US
		100130920G, UK
	Unmanaged 16xFE PoE + 2xCombo GE Switch	100130910G, EU
		100130940G, AU
		100130930G, JP
AW-GEV-264A-185		100129600G, US
		100129620G, UK
	VivoCam L2 Managed PoE Switch 24xGE PoE + 2xCombo GE	100129610G, EU
		100129630G, AU
		100129640G, JP

Mechanical Information



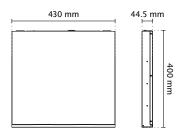


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Technical Specifications		
Model	ND9441 16-CH H.265 Embedded NVR	ND9541 32-CH H.265 Embedded NVR
Hardware Information		
System		
OS	Embedd	led Linux
CPU	ARM Pr	ocessor
Flash	256	5 MB
RAM	2 GB	4 GB
Watchdog	Hardware	+ Software
Power Restoration		cally after Power Recovery
Storage	.,	,
HDD Devices	Interi	nal x4
HDD Max. Capacity		B x4
		and Remove Disk
Disk Management		M.A.R.T
Video & Audio		
Video Output	HDMI x1	I, VGA x1
Resolution	1920×1080), 1280x720
Graphics Decoder		e decoding
		H.265/H.264:
Decoding Capacity	H.265/H.264: 2560x1920 @ 30 fps (1-CH) 1920x1080 @ 120 fps (4-CH) 1280x720 @ 240 fps (8-CH) 1280x720 @ 480 fps (16-CH)	2560x1920 @ 30 fps (1-CH) 1920x1080 @ 120 fps (4-CH) 1280x720 @ 240 fps (8-CH) 1280x720 @ 480 fps (16-CH) 720x480 @ 960 fps (32-CH)
Camera Position	Change the viewcell position	on on the Live View screens
External Interface		
USB Interface		(USB 2.0) (USB 3.0)
Alarm In		8
Alarm Out		4
		4 Audio Output x1
Audio		o Input (Reserved) x1
RS485	1 Port (F	Reserved)
Network		
Network Interface	10/100/1000Mbps	Ethernet (RJ-45) x 2
Protocols	IPv4, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RT	TCP, SMTP, FTP, DHCP, NTP, DNS, DDNS, IP Filter
Power		
Power Input	DC 56	SV 2.5A
Power Consumption		120 W
LED Indicator		
LED Indicator	Status, Record, HDD1, HDD	02, HDD3, HDD4, Net1, Net2
Mechanic		
Form Factor	Des	ktop
Operation Buttons		/ Reset (Back)
Dimensions		D) x 44.5 (H) mm
Weight		ithout HDD)
Operating Temperature	-	32'F ~ 104'F)
Humidity		95%
General		55%
Safety Certifications		CC, VCCI, UL
Warranty		onths
Client PC Requirements	24 11	
Operating System	Microsoft Windows OS	XP/Vista/7/8/2008/2012
CPU		on or above
		r above
Memory Etheret		
Ethenet		0Mbps
Display Resolution		xels or above
Web Browser		10 (32 bit) or above
Software AP		d 2, ST7501, VAST
Mobile/Tablet App	EZConnect (iOS/Android	d), iViewer (iOS/Android)
Accessories		Cuide (OIC) Installation With and 2
CD Others		Guide (QIG), Installation Wizard 2
Others	Power Adapter, Power Cord, Quick Installation Guide, 32 x H.D.	.D. Screws, 8 x H.D.D. Brackets, 1 x USB Mouse, 4 x SATA Cables
Software Information		
Record		
Maximum Channel	16	32
Record Throughput (MB)	192 Mbps	192 Mbps
Network Throughput (MB)		Mbps
Audio Format		, G.726
Video Format		264, H.265
Video Resolution		, 5MP & 12MP Camera
Recording Time (sec.)		: 5 (Max. 10) 20 (Max. 300)
Recording Stream		20 (Max. 500) Igle
Recording Mode		igie ivent, Activity Adaptive Streaming
Recording Setting		unit: Day)
Recording Path		l Path
Record Video Format		GP
LiveView (Local Display)		
	Acces Adore	tive Stream
Stream Application	Auto Adap 16 Channels	tive Stream 32 Channels
LiveView Display	io Channeis Multi Layout display: 1x1, 1x3 (Corridor View), 2x2, 3x3, 4x4, 1+5, 1+3, 1+12, 1+1+3 (1P), 1+3+3 (1P)	32 Cnanneis Multi Layout display: 1x1, 1x3 (Corridor View), 2x2, 3x3, 4x4, 1+5, 1+3, 1+12, 1+1+3 (1P), 1+3+3 (1P), 1+31



Technical Specifications			
Model	ND9441 16-CH H.265 Embedded NVR	ND9541 32-CH H.265 Embedded NVR	
Monitor Enhancement	OSD Display (NVR), OSD Display (Camera), Camera Information, Remote I/O Control, Event Notification, Aspect Ratio, Fisheye Dewarp (10,1P,1R,1O3R, 108R)		
PTZ Control		Panel Control	
PTZ Operation	Direction Control, Home, Iris, Preset, Patrol (Group), PiP Control		
Playback (Local Display)			
Playback Display		nannel t Display: 1x1	
Playback Control	Regular (Play, Pause, Stop), Rewind, Next / Previous Frame, Speed Control, Calendar, Event, Timeline, Timeline Scale, Thumbnail (Storyboard)		
Video Search	By Calendar, Dat	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 Ra	tio, PiP Control, Fisheye Dewarp (10,1P,1R,103R, 108R)	
Snapshot	JPEG		
Video Clip Export	EXE		
LiveView (Remote)			
Stream Application	Stream	Selection	
Audio Capability	On	One Way	
LiveView Display	16 Channels Multi Layout display: 1x1, 2x2, 3x3, 4x4, 1+3, 1+5, 1+12	32 Channels Multi Layout display: 1x1, 2x2, 3x3, 4x4, 1+3, 1+5, 1+12, 1+31	
Monitor Enhancement	OSD Display (NVR), Drag & Drop, Image Freeze, Audio Control, Remot	e I/O Control, Event Notification, Bookmark, Fisheye Dewarp (10, 1P, 1R)	
PTZ Control		Control	
PTZ Operation	Direction Control, Home, Zoom, Focu	s, Iris, Preset, Patrol (Group), PiP Control	
Snapshot		PEG	
Playback (Remote)			
	4 Ch	annels	
Playback Display		play: 1x1, 2x2, 1+3	
Playback Control	Regular (Play, Pause, Stop), Next Frame, Speed Co	ntrol, Calendar, Timeline, Timeline Scale, Bookmark	
Monitor Enhancement	OSD Display (NVR), Drag & Drop, Audio Co	ntrol, PiP Control, Fisheye Dewarp (10, 1P, 1R)	
Snapshot	J	PEG	
Video Clip Export	E	XE	
Alarm Management			
Schedule Type	Continuous, S	chedule, Manual	
Event		Motion Detection, PIR Detection, Tampering Detection, Digital Input (Camera), Digital Output (Camera), Connection Abnormal, Storage Abnorm Storage Full, Camera Network Loss, DI, DO	
Action	Record, Email (Text), Email (Snapshot), FTP, Buzze	r, ePTZ Control (Go to Preset), NVR DO, Camera DO	
Recording Time (sec.)	Pre-Record: 5 (Max. 10),	Post-Record: 20 (Max. 300)	
Backup			
Manual	USB Dongle	(FAT Format)	
System			
User Management	User Account Ti User Level: Admini:	User Account: 16 User Account Time Limit: 10 mins User Level: Administrator / Regular User User Feature Definition: By Camera	
	System, Recording, User, Error		
Log	System, Recor	ding, User, Error	
		ding, User, Error : Sync NTP, Daylight Saving Time	
Date&Time	Time Zone, Manual, Automatic	-	
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Ver. 5