Network Video Recorder NVR216

Synology Network Video Recorder NVR216 is the first PC-less, all-in-one, and energy efficient private surveillance solution from Synology. Featuring a dedicated HDMI output to display 1080p Surveillance Station on a monitor without the need for a computer. NVR216 is available in 4 or 9 channels configuration with each camera configured at 720p/30FPS.

Highlights

- **1080p HDMI output for comprehensive interactive monitoring**
- **Available in 4 or 9 channels configuration**
- **Easy to deploy and easy to use**
- **Expandable storage capacity up to 4 HDDs with DX213**
- **Small footprint NVR runs 24/7 below 15W**
- **Mobile apps ready for on-the-go surveillance**

PC-less, All-in-one Private Surveillance Solution

Synology Network Video Recorder NVR216 makes surveillance monitoring and playback simple. After the initial set up, users can simply connect an **HDMI monitor** and keyboard/mouse to setup their **Surveillance Station** without the need for a PC. Synology NVR216 supports video recording of up to **4 or 9 network cameras** when each camera is configured at 720p/30FPS within a network. Without requiring any costly computer, NVR216 is a compact all-in-one solution for monitoring live feeds, changing IP camera settings, and even browsing stored video footage.

User Friendly Interface and Wide-ranging Compatibility

Thanks to the versatile features of **Surveillance Station**, NVR216 is suitable for retail stores or small scale deployment. NVR216 has a total of **three USB ports** with one of the USB ports being **USB 3.0**. Users can connect a mouse, or keyboard to easily navigate between different camera streams and use the **audio input port** to connect a microphone and communicate via two-way audio enabled cameras. In the event of power failure, NVR216 supports **Uninterruptible Power Supply (UPS)** to ensure continuous power supply and can safely power down before the UPS battery runs out.

24/7 Security Solution for Everyone, Everywhere

Synology Surveillance Station offers a centralized interface to manage and monitor IP cameras in your shop, office, or home. In addition to its intuitive setup and hassle-free user experience, Surveillance Station features an optimized Live View panel with on-screen operations, smart analytics tools such as motion detection, and an alert system that sends instant notifications through **DS cam,** SMS, and E-mail when any suspicious behavior is detected.

Expandable Recording Storage for Growing Needs

NVR216 comes with one eSATA port, allowing connection to Synology Expansion Unit DX213[1] to expand the storage from 2 to 4 drives. With DX213 connected, users are able to create a RAID 5 volume to further enlarge the usable space and safely protect valuable video footage.
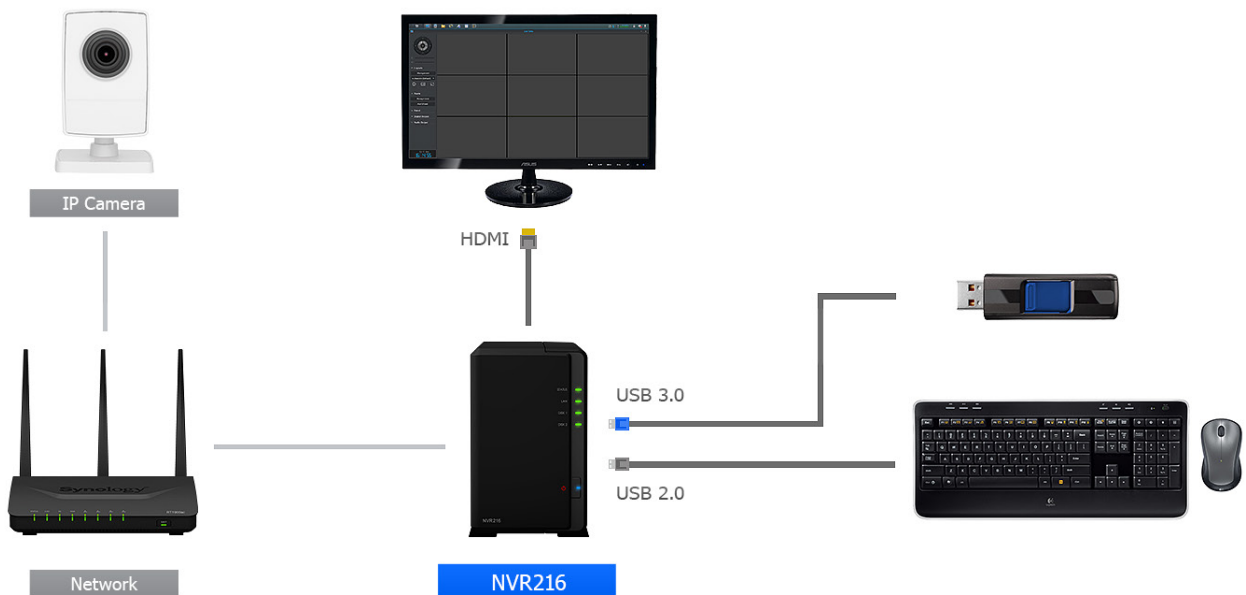
Wallet-Friendly & Energy-Efficient

NVR216 is engineered with energy efficiency in mind. It is extremely quiet and requires only 14.14W when paired with 9 channels of camera streaming and continuous recording. It only consumes as little power as one energy saving light bulb. As a PC-less surveillance solution, NVR216 economizes on both equipment and energy costs in the long-run.
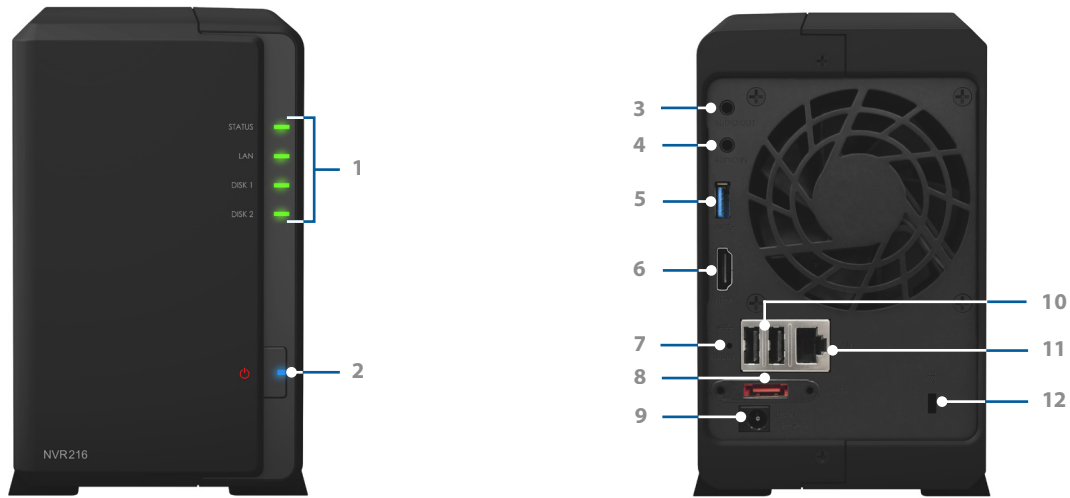
All Synology products are produced with RoHS compliant parts and packed with recyclable packing materials. Synology acknowledges the responsibility as a global citizen to continually work to reduce the environmental impact of every product produced.

Flexible scalability

NVR216 can expand its capacity on-the-fly and enlarge volumes across its expansion unit for larger storage capacity.

IP Camera

HDMI

USB 3.0

USB 2.0

Network

NVR216

Complete surveillance solution without a costly computer

Connect Synology NVR216 to an HDMI monitor and enjoy a PC-less surveillance solution recording up to 4 or 9 network cameras simultaneously.

Connections & Buttons

1	LED indicator	2	Power button	3	Audio out	4	Audio in
5	USB 3.0 port	6	HDMI output	7	Reset button	8	eSATA port
9	Power port	10	USB 2.0 port	11	Gigabit (RJ-45) LAN port	12	Kensington Security Slot

Technical Specifications

Hardware

Configuration	NVR216 comes with two configurations, NVR216 (4CH) and NVR216 (9CH). Indicating different number of maximum cameras it can support
CPU	Embedded NVR SoC dual-core 1.0Ghz
RAM size	DDR3 1GB
Compatible drive type	3.5"/2.5" SATA III/II x 2 (Hard drives not included. Disk holders are required for 2.5" drives.)
Maximum internal raw capacity	16TB (8TB HDD x 2) (The actual capacity will differ according to volume types.)
External ports	USB 3.0 x 1, USB 2.0 x 2, eSATA x 1, HDMI x 1, 3.5mm audio jack x 2 (input/output)
Supported video output resolution	1920 x 1080 (1080p), 60 Hz
Size (H x W x D)	165 x 100 x 225.5 mm
Weight	0.9 kg
LAN	Gigabit (RJ-45) x 1
Supported USB devices	USB storage, keyboard, mouse, uninterruptible power supply (UPS)
AC input power voltage	100V to 240V AC
Power frequency	50Hz to 60Hz, single phase
Operating temperature	5°C to 45 °C (40 °F to 113 °F)
Storage temperature	-20 °C to 60 °C (-5 °F to 140 °F)
Relative humidity	5% to 95% RH
Power consumption	14.14W, 48.28BTU/hr
Agency certifications	FCC Class B, CE Class B, BSMI Class B

General

File system	Internal: ext4; External: ext4, ext3, FAT, NTFS, HFS+ (read only)
Storage management	Maximum single volume size: 16TB, Maximum internal volume: 256, Maximum shared folder: 256
Supported RAID type	Synology Hybrid RAID (SHR), Basic, JBOD, RAID 0, RAID 1; with Synology Expansion Unit DX213[1]: RAID 5, RAID 6
User / Group	Maximum user account: 1024, Maximum group: 256
Directory service	Windows AD Integration, LDAP integration
Security	IP auto-block, firewall, HTTPS connection
Utilities	Synology Web Assistant, Synology Assistant, Evidence Integrity Authenticator
Supported clients	Windows XP onwards, Mac OS X® 10.7 onwards, Ubuntu 12 onwards
Supported browsers	Firefox®, Internet Explorer® 11 onwards (exclude Microsoft Edge), Safari® 7 onwards
Language	English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svensk, Nederlands, Русский, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, Český, 日本語, 한국어, 繁體中文, 简体中文

Surveillance Station

Maximum IP camera	4CH (total of 120 FPS at 720p, H.264) or 9CH (total of 270 FPS at 720p, H.264)
Cameras Support	Video codec: MJPEG, MPEG-4, MxPEG, and H.264 (MxPEG is only supported on Surveillance Station through web browser) Audio codec: PCM, AAC, AMR, G.711, G.726 Supports constant and variable bitrate control to fine tune the camera's bitrate ONVIF™ 2.4, Profile S certified, Profile G for edge recording
Live View	Pan Tilt Zoom (PTZ) supported with configurable PTZ speed On-screen camera controls including camera zoom, focus, iris adjustment, auto pan, and auto object tracking E-Map & Snapshot, Snapshot editor supported for instant editing after taking a snapshot Video quality settings including bitrate control, image quality, resolution, and FPS Joystick supported for easy navigation (web client only) Alert panel to quickly display the most recent triggered event
Recording	Recording modes include manual, continuous, motion detection, I/O alarm, action rule, and customized Recording formats: MP4 The customized recording mode can be configured as a combination of conditional events, including motion detection, audio detection, tampering detection, and alarm input Edge recording on the SD card of certain supported cameras Configurable pre-recording & post-recording time
Playback Recordings	Customizable layouts for playback in Timeline Playback controls include pause, stop, previous recording, next recording, fast forward, slow motion, frame by frame, and digital zoom in/out Embedded watermark for evidence integrity Image enhancements including brightness, contrast, saturation, and sharpness (web client only)
Management	Create and manage different user privileges Rotate recorded videos by archived days or storage size Event notification supported via SMS, E-mail, and mobile devices via DS cam Recordings can be backed up to an external storage or remote server Built-in NTP server Supported tunnel: MPEG-4, H264 via RTSP over TCP, UDP and HTTP
iOS/Android™ applications	DS file, DS finder, DS cam
More applications	File Station, VPN Server, Security Advisor, Log Center, Network backup, DSM configuration backup

Environment and packaging

Environment	RoHS compliant
Package content	NVR216 main unit, AC power adapter, RJ-45 LAN cable
Optional accessories	Disk Holder (Type C), Synology Expansion Unit DX213
Warranty	3 years

*Model specifications are subject to change without notice. Please refer to www.synology.com for the latest information.
1. NVR216 supports one Synology DX213, sold separately.

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