

# NVR16P16-8

16 Camera / 16 PoE Embedded NVR



Built-in PoE Switch



**Easy Playback**  
Calendar Search & Selectable Time Bars.



**Recording Schedule**  
Set Times, Dates & Camera Options



**Mobile / Remote Access**  
Access DVR Using Optiview VMS & Mobile Apps.



**Room To Grow**  
8 HDD Bay for up to 64TB of Internal Storage.

## Overview

The 16 channel NVR16P16-8 NVR comes standard with 16 embedded PoE ports. The NVR16P16-8 will display live feeds at up to 4K resolution and can record at up to 4K / 12MP (2560x1920) resolution depending on the camera. There is ample storage room to record with a storage capacity of up to 64TB. This NVR can be paired with up to 16 high resolution IP cameras using CAT5/6 cables.

## Features

- Built-in PoE Switch With Support For Up To 16 Cameras
- 4K / 12MP Recording Resolution
- Max 320Mbps incoming bandwidth
- 4K Video Output (HDMI) or 1080P (HDMI, VGA)
- Supports RAID 0/1/5/6/10
- All Channel Synchronous Real-Time Playback

## Specifications

Model	NVR16P16-8
Main Processor / Operating System	Quad core embedded processor / Embedded LINUX
Video (Input / Output)	16 Channels / 2 × HDMI (1 HDMI up to 3840 x 2160), 1 × VGA
Audio (Input / Output)	1 × RCA / 1 × RCA
Two-way Talk	Reuse Audio Channel 1 (Input / Output)
Display Resolution	4K (3840×2160), 1080P (1920×1080), 1280×1024, 1280×720, 1024×768
Display Split	1 / 4 / 8 / 9 / 16
Playback Channel	1 / 2 / 4 / 9 / 16
Playback Functions	Play, Pause, Stop, Rewind, Fast Play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom
Recording Resolutions	12MP, 8MP, 6MP, 5MP, 3MP, 1080P, 1.3MP, 720P
Recording Speed	320Mbps
Compression (Video / Audio)	H.265 / H.264 / MJPEG / MPEG4
Recording Bit Rate	16~ 20Mbps
Recording Mode	Manual, Schedule [Regular (Continuous), MD], Stop
Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Spot, Buzzer & Screen Tips
Motion Detection	Motion Detection, MD Zones: 396 (22 × 18)
Alarm Input / Relay Output	16 Channels / 6 Channels
Search Mode	Time / Date, Alarm, MD & Exact Search (Accurate To Second), Smart Search
HDD Bays / Storage Capacity	8 / 64TB (SATA - Internal), eSATA)
Backup Mode	Flash Drive, USB HDD, eSATA & Network
USB 2.0 / eSATA	2 (2 Back) / 1
RS232 / RS485	1 (PC Communication) / 1 (PTZ Control)
RJ-45 (Ethernet)	1 (10 / 100 / 1000 Mbps)
Network Functions	HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, IP Search
Max. User Access	128
Power Over Ethernet (PoE)	16 (IEEE802.3at)
Ports	16 (IEEE802.3at)
Ethernet (PoE) Power (per port)	25.5 W
Power (Supply / Consumption)	100 ~ 240 V AC, 50 ~ 60 Hz / 17.5 W (with no HDD)
Working Environment	14° ~ 131° F, 10 ~ 90% RH, 86 ~ 106 kpa
Dimensions (W×D×H) / Weight	2U, 17.3" × 17.9" × 3.8" / 15.5 lbs