NVR16P16 / NVR32P16
16 / 32 Camera / 16 PoE Embedded NVR

HD 5MP

Built-in PoE Switch

NVR16P16
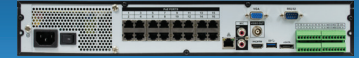
NVR32P16

Easy Playback
Calendar Search & Selectable Time Bars.

Recording Schedule
Set Times, Dates & Camera Options

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

Ample Storage
2 HDD Bay for up to 8TB of Internal Storage.

Overview

The NVR16P16 and NVR32P16 PoE Network Video Recorders display live feeds at up to 1080P resolution and can record at up to 5MP (2560x1920) resolution. There is ample storage room to record with a storage capacity of up to 16TB. These NVRs can be paired with up to 16 / 32 high resolution 5 MegaPixel IP cameras using CAT5/6 cables.

Features

• Built-iIn PoE Switch With Support For Up To 16 Cameras
• 5MP Recording Resolution
• 200 Mbps (Max) Incoming Bandwidth
• 1080P Video Output (HDMI, VGA)
• All Channel Synchronous Real-Time Playback

Specifications

Model	NVR16P16	NVR32P16
Main Processor / Operating System	High Performance Dual-Core Embedded Microprocessor / Embedded LINUX	
Video (Input / Output)	16 Channels / 1 × HDMI (Video & Audio), 1 × VGA	32 Channels / 1 × HDMI (Video & Audio), 1 × VGA
Audio (Input / Output)	1 × RCA / 1 × RCA	
Two-way Talk	Reuse Audio Channel 1 (Input / Output)	
Display Resolution	1920 × 1080, 1280 × 1024, 1280 × 720, 1024 × 768	
Display Split	1 / 4 / 8 / 9 / 16	
Playback Channel	1 / 2 / 4 / All	
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	5MP (2560 × 1920), 3MP (2048 × 1536), 1080P (1920 × 1080), 720P (1280 × 720), 960H (960 × 576 / 960 × 480), D1 (704 × 576 / 704 × 480)	
Recording Speed	200 Mbps	
Compression (Video / Audio)	H.264 / MPEG4	
Recording Bit Rate	48 ~ 8,192 kbps	
Recording Mode	Manual, Schedule [Regular (Continuous), MD], Stop	
Trigger Events	Recording, PTZ Movement, Tour, Alarm, Email, FTP, Buzzer & Screen Tips	
Motion Detection	Zones: 396 (22 × 18), Sensitivity: 1 ~ 6 (level 6 is highest), Video Loss & Camera Blank	
Alarm Input / Relay Output	16 Channels / 4 Channels	
Search Mode	Time / Date, Alarm, MD & Exact Search (Accurate To Second), Smart Search	
HDD Bays / Storage Capacity	4 / 16TB (SATA - Internal), 16TB (eSATA - External)	
DVD R/RW Drive	Yes (Optional Upgrade)	
Backup Mode	Flash Drive, USB HDD, Built-in SATA Burner & Network	
USB 2.0 / eSATA	4 (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, SNMP, P2P	
Max. User Access	128	
Power Over Ethernet (PoE) — Ports	16 (IEE802,3at)	
Power Over Ethernet (PoE) — Power (per port)	25.5 W	
Power (Supply / Consumption)	100 ~ 240 V AC, 50 ~ 60 Hz / 40 W (with no HDD)	
Working Environment	14° ~ 131° F, 10 ~ 90% RH, 86 ~ 106 kpa	
Dimensions (W×D×H) / Weight	1.5U, 17.3" × 16.2" × 2.75" / 13.23 lbs	