

DH-NVR3816

16 Channel 2U Network Video Recorder



16 channel@D1, 8 channel@720P, 4 channel@1080P IP camera inputs, It can support HDMI, VGA, USB2.0, 8 HDDs and eSATA; It also can support voice intercom function.

Features

- > 16 channel 2U standalone Network Video Recorder
- > Dual-core CPU presents the powerful preview, recording, playback and network performance
- > Up to 4 channel 1080P cameras realtime live view
- > H.264/MPEG-4 dual codec decoding
- > 16 channel@D1, 8 channel@720P, 4 channel@1080P realtime recording
- > All channel simultaneous realtime playback, GRID interface & smart search
- > Support Multi-brand network cameras such as: Dahua, Arecont Vision, AXIS, Canon, Dynacolor, Panasonic, SAMSUNG, SANYO, SONY and ONVIF
- > Support remote network camera encoding setting & image adjust
- > IP Search feature to automatically discover network cameras
- > Support 8 SATA HDDs up to 24TB, 1 eSATA up to 12TB, 2 USB2.0
- > Built-in web server, CMS(DSS/PSS) & DMSS

DH-NVR3816

Specifications

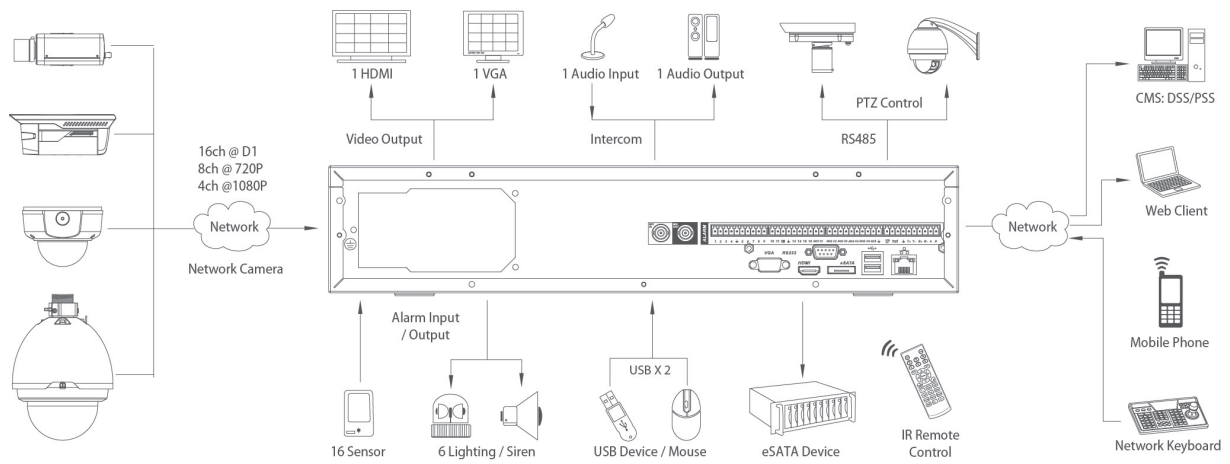
Model	DH-NVR3816
System	
Main Processor	High performance Dual-core embedded microprocessor
Operating System	Embedded LINUX
System Resources	Pentaplex function: live, recording, playback, backup & remote access
Control Mode	Front panel, USB mouse, IR remote control, Keyboard, Network
Video & Audio	
IP Camera Input	16 channel@D1 / 8 channel@720P / 4 channel@1080P
IP Camera Supported List	Dahua, Arecont Vision, AXIS, Canon, Dynacolor, Panasonic, SAMSUNG, SANYO, SONY, ONVIF
Video Output	1 HDMI(video & audio), 1 VGA
Voice Intercom	1 channel input, BNC(200-2800mV, 30KΩ), 1 channel output, BNC(200-3000mV, 5KΩ)
Display	
Display Split	1/4/8/9/16
Resolution	1920×1080, 1280×1024, 1280×720, 1024×768
Tour Display	Support
Privacy Masking	4 self-defined four-sided zones for privacy masking for each camera
OSD	Camera title, time, video loss, camera lock, motion detection, recording
Recording	
Compression	H.264 / MPEG4
Recording Resolution	1080P(1920×1080) / 720P(1280×720) / D1 (704×576/704×480)
Recording Speed	Up to 400/480fps@D1 Up to 200/240fps@720P Up to 100/120fps@1080P
Recording Bit Rate	Up to 32Mbps
Recording Quality	CBR, VBR(1~6 level, level 6 is the best)
Recording Mode	Manual, Schedule(Regular(Continuous), MD(Video detection: Motion detection, Camera blank, Video loss), Alarm), Stop
Recording Priority	Manual >Alarm >MD >Regular
Recording Interval	1~120 min (default: 60 min)
Video Detection & Alarm	
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	Support
Alarm Input	16 channel
Relay Output	6 channel
Playback & Backup	
Playback Channel	1/2/4/All
Search Mode	Time/Date, Alarm, MD & Exact search (accurate to second), Smart search
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera,

DH-NVR3816

	Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom
Backup Mode	Flash drive/ USB HDD/ USB CD&DVD-RW / eSATA Device / Built-in SATA burner/ Network download
Network	
Ethernet	RJ-45 port (10/100M/1000M)
Network Function	HTTP, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP Search(Support Dahua IP camera, DVR, NVS etc)
Max Remote Users	20 Users simultaneously
Remote Operation	Monitor, PTZ control, Playback, System setting, File download, Log information
Hard Disk	
Hard Disk	8 SATA ports, 8 HDDs or 6 HDDs + 1 CD/DVD-RW, Up to 24TB
eSATA	4 External SATA ports, up to 12TB
Space Occupation	Max 3.6GB/H per channel
HDD Management	HDD Group, HDD hibernation technology, HDD faulty alarm & Raid(Redundancy)
Auxiliary Interface	
USB Interface	3 ports, For mouse control & backup
RS232	Dahua keyboard, PC communication
RS485	PTZ control
Environmental	
Power Supply	AC 100~240 V, 50/60 Hz
Power Consumption	20W(without HDD)
Working Environment	-10 ~+55°C / 10~90%RH / 86~106kpa
Dimension	2U, 440mm×460mm×89mm(W×D×H)
Weight	6.0KG(without HDD)

DH-NVR3816

System Connection



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*Design and specifications are subject to change without notice.

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