

## NVR5416-16P

### 16CH 1.5U 16PoE Network Video Recorder



### Features

- > Up to 16 channel IP camera input
- > H.264/MJPEG dual codec decoding
- > Up to 5Mp resolution
- > Max 160Mbps incoming bandwidth
- > HDMI/VGA/TV simultaneous video output
- > 16 channel synchronous realtime preview, GRID interface
- > Support Multi-brand network cameras: Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videosec, Vivotek and etc.
- > ONVIF Version 2.3 conformance
- > 3D intelligent positioning with Dahua PTZ camera
- > Support 4 SATA HDDs up to 16TB, 1 eSATA up to 16TB, 3 USB2.0
- > Support IPC UPnP, 16 PoE ports
- > Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS

# NVR5416-16P

## Technical Specifications

|                                    |                                                                                                                                                                       |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Model</b>                       | <b>DH-NVR5416-16P</b>                                                                                                                                                 |
| <b>System</b>                      |                                                                                                                                                                       |
| Main Processor                     | Dual-core embedded processor                                                                                                                                          |
| Operating System                   | Embedded LINUX                                                                                                                                                        |
| <b>Video &amp; Audio</b>           |                                                                                                                                                                       |
| IP Camera Input                    | 16 channel                                                                                                                                                            |
| Two-way Talk                       | 1 channel Input, 1 channel Output, BNC                                                                                                                                |
| <b>Display</b>                     |                                                                                                                                                                       |
| Interface                          | 1 HDMI, 1 VGA, 1TV                                                                                                                                                    |
| Resolution                         | 1920×1080, 1280×1024, 1280×720, 1024×768                                                                                                                              |
| Display Split                      | 1/4/8/9/16                                                                                                                                                            |
| OSD                                | Camera title, Time, Video loss, Camera lock, Motion detection, Recording                                                                                              |
| <b>Recording</b>                   |                                                                                                                                                                       |
| Compression                        | H.264 / MJPEG                                                                                                                                                         |
| Resolution                         | 5Mp(2560×1920)/3Mp(2048×1536)/1080P(1920×1080)/720P(1280×720)/D1(704×576/704×480) & etc.                                                                              |
| Record Rate                        | Max 128Mbps ( eg. 16ch 5Mp@8Mbps, 16ch 1080P@8Mbps & etc.)                                                                                                            |
| Bit Rate                           | 48~8192kbps                                                                                                                                                           |
| Record Mode                        | Manual, Schedule(Regular(Continuous), MD, Alarm), Stop                                                                                                                |
| Record Interval                    | 1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec                                                                                            |
| <b>Video Detection &amp; Alarm</b> |                                                                                                                                                                       |
| Trigger Events                     | Recording, PTZ, Tour, Alarm, Video Push, Email, FTP, Buzzer & Screen tips                                                                                             |
| Video Detection                    | Motion Detection, MD Zones: 396(22×18), Video Loss & Camera Blank                                                                                                     |
| Alarm Input                        | 16 channel                                                                                                                                                            |
| Relay Output                       | 6 channel                                                                                                                                                             |
| <b>Playback &amp; Backup</b>       |                                                                                                                                                                       |
| Sync Playback                      | 1/4/9/16                                                                                                                                                              |
| 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, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom |
| Backup Mode                        | USB Device/eSATA Device/Internal SATA burner/Network                                                                                                                  |
| <b>Network</b>                     |                                                                                                                                                                       |
| Ethernet                           | 1 RJ-45 port (10/100/1000Mbps)                                                                                                                                        |
| PoE                                | 16 ports (IEEE802.3af)                                                                                                                                                |
| Network Function                   | HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP Search(Support Dahua IP camera, DVR, NVS and etc.)      |
| Max. User Access                   | 128 users                                                                                                                                                             |
| Smart Phone                        | iPhone, iPad, Android, Windows Phone                                                                                                                                  |
| <b>Storage</b>                     |                                                                                                                                                                       |
| Internal HDD                       | 4 SATA ports (4HDDs or 3HDDs+1CD/DVD-RW), up to 16TB                                                                                                                  |

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|                            |                                               |
|----------------------------|-----------------------------------------------|
| External HDD               | 1 eSATA port                                  |
| <b>Auxiliary Interface</b> |                                               |
| USB                        | 3 ports (2 Rear), USB2.0                      |
| RS232                      | 1 port, For PC communication & Keyboard       |
| RS485                      | 1 port, For PTZ control                       |
| <b>General</b>             |                                               |
| Power Supply               | AC 100V~240V, 50/60 Hz                        |
| Power Consumption          | NVR: 40W (without HDD)<br>PoE: Max 15W (each) |
| Working Environment        | -10°C~+55°C/1090%~90%RH/86~106kpa             |
| Dimension (W×D×H)          | 1.5U, 440mm×410mm×70mm                        |
| Weight                     | 5kg (without HDD)                             |

## System Connection

