**AHUA TECH**

# AT-NVR5816/5832/5864-16P-4KS2

16/32/64 Channel 2U 16PoE 4K&H.265 Pro Network Video Recorder

>H.265/H.264/MJPEG/MPEG4 codec decoding
>Max 320Mbps incoming bandwidth
>Up to 12Mp resolution preview&playback
>2HDMI/VGA simultaneous video output
>3D intelligent positioning with Dahua PTZ camera
>Support RAID 0 /1/5/6/10

| Ordering Information | | |
|---|---|---|
| **Type** | Part Number | Description |
| **16 Channel NVR** | DHI-NVR5816-16P-4KS2 | 16 Channel 2U 16PoE 4K&H.265 Pro Network Video Recorder |
| **32 Channel NVR** | DHI-NVR5832-16P-4KS2 | 32 Channel 2U 16PoE 4K&H.265 Pro Network Video Recorder |
| **64 Channel NVR** | DHI-NVR5864-16P-4KS2 | 64 Channel 2U 16PoE 4K&H.265 Pro Network Video Recorder |
| **Accessories** | ESS1504C | 4 HDDs eSATA Storage (Please confirm with Technical Support for HDD capacity & compatibility) |
|  | ESS1508C | 8 HDDs eSATA Storage (Please confirm with Technical Support for HDD capacity & compatibility) |

# SPECIFICATION:

| System | |
|---|---|
| Main Processor | Quad-core embedded processor |
| Operating System | Embedded LINUX |
| **Display** | |
| Interface | 2 HDMI (1 HDMI up to 3840x2160, Different Source ), 1 VGA |
| Resolution | 3840x2160, 1920×1080, 1280×1024, 1280×720, 1024×768 |
| Multi-screen Display | 1st screen:<br>16CH: 1/4/8/9/16<br>32CH: 1/4/8/9/16/25/36<br>64CH: 1/4/8/9/16/25/36<br>2nd screen: 1/4/8/9/16 |
| OSD | Camera title, Time, Video loss, Camera lock, Motion detection, Recording |
| **Video Detection and Alarm** | |
| Trigger Events | Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips |
| Video Detection | Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Tampering |
| Alarm input | 16 Channel, Low Level Effective, Green Terminal Interface |
| Relay Output | 6 Channel, NO/NC Programmable, Green Terminal Interface |
| Tracking Trigger Event | N/A |
| **Playback and Backup** | |
| Sync Playback | 1/4/9/16 |
| Search Mode | Time /Date, Alarm, MD and Exact Search (accurate tosecond) |
| 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/Network/Internal SATA burner/eSATA Device |
| **Storage** | |
| Internal HDD | 8 SATA III Ports, up to 8TB capacity for each HDD |
| HDD Mode | Single, Raid 0/1/5/6/10 (Enterprise-level HDDs are recommended) |
| eSATA | 1 eSATA port |
| SAS | N/A |
| **Auxiliary Interface** | |
| Front Cover | N/A |
| USB | 4 ports (2 Rear USB3.0,2 Front USB2.0) |
| RS232 | 1 Port, for PC Communication and Keyboard |
| RS485 | 1 Port, for PTZ Control |

| Third-party Support | |
|---|---|
| Third-party Support | Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, and more |
| **Audio and Video** | |
| IP Camera Input | 16/32/64 Channel |
| Two-way Talk | 1 Channel Input, 1 Channel Output, RCA |
| **Recording** | |
| Compression | H.265/H.264/MJPEG/MPEG4 |
| Resolution | 12Mp/8Mp/6Mp/5Mp/4Mp/3Mp/1080P/ 720P/ D1&etc. |
| Record Rate | 320Mbps |
| Bit Rate | 16kbps~20Mbps for per channel |
| 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 |
| **Network** | |
| Interface | 1 RJ-45 port (10/100/1000Mbps) |
| Ethernet Port | 1 Independent 1000Mbps Ethernet Port |
| PoE | 16 ports (IEEE802.3af/at) |
| 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.), P2P |
| Optical Fiber Interface | N/A |
| Max. User Access | 128 users |
| Smart Phone | iPhone, iPad, Android |
| Interoperability | ONVIF 2.4, CGI Conformant |
| **Electrical** | |
| Power Supply | Single, AC 100~240V, 50/60 Hz |
| Power Consumption | <17.5W (without HDD) |
| **Environmental** | |
| Operating Conditions | -10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa |
| Storage Conditions | -20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH |
| **Construction** | |
| Dimensions (W×D×H) | 2U, 440mm×450.1mm×95mm (17.3" x 17.7" x 3.7") |
| Net Weight | 7kg (15.4 lb) (without HDD) |
| Gross Weight | 9.5kg(20.94 lb) |
| **Certifications** | |
| CE | EN55022, EN55024, EN50130-4, EN60950-1 |
| FCC | Part15 subpartB,ANSI C63.4-2014 |
| UL | UL60950-1+CAN/CSA C22.2 No.60950-1 |