

## DH-NVR616/616D/616R/616DR-128-4KS2

### 128 Channel Super 4K H.265 Network Video Recorder



#### Features

- Max 128 channel IP cameras connection
- Max 384Mbps incoming bandwidth
- Up to 12Mp resolution preview& playback
- 1 VGA+2 HDMI
- Support 16 hot-swap HDDs
- Support RAID 0/1/5/6/10/50/60
- Support N+M hot standby
- Support iSCSI & Mini SAS to expand storage space
- Compatible with Dahua SDK and seamless integrated to other platforms
- Support Multi-brand network cameras: Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Vivotek and etc.
- ONVIF Version 2.4 conformance
- Redundant power supply module adopted (DH-NVR616R-128-4KS2 & DH-NVR616DR-128-4KS2)
- Front LCD display (DH-NVR616D-128-4KS2 & DH-NVR616DR-128-4KS2)

# DH-NVR616/616D/616R/616DR-128-4KS2

## Technical Specifications

| Model                              | DH-NVR616-128-4KS2  | DH-NVR616D-128-4KS2 | DH-NVR616R-128-4KS2 | DH-NVR616DR-128-4KS2 |
|------------------------------------|---|---------------------|---------------------|----------------------|
| <b>System</b>                      |   |                     |                     |                      |
| Main Processor                     | Intel Processors  |                     |                     |                      |
| Operating System                   | LINUX   |                     |                     |                      |
| <b>Video &amp; Audio</b>           |   |                     |                     |                      |
| IP Camera Input                    | 128 channel   |                     |                     |                      |
| Two-way Talk                       | 1channel Input, 1channel Output, RCA  |                     |                     |                      |
| <b>Display</b>                     |   |                     |                     |                      |
| Interface                          | 2 HDMI (up to 3840x2160), 1 VGA<br>4 HDMI on HDMI Output Extension Board (Optional)   |                     |                     |                      |
| Resolution                         | 3840×2160, 1920×1080, 1280×1024, 1280×720, 1024×768   |                     |                     |                      |
| Multi-screen Display               | The 1 <sup>st</sup> screen: 1/4/8/9/16/25/36<br>The 2 <sup>nd</sup> screen: 1/4/8/9/16  |                     |                     |                      |
| OSD                                | Camera title, Time, Video loss, Camera lock, Motion detection, Recording  |                     |                     |                      |
| <b>Recording</b>                   |   |                     |                     |                      |
| Compression                        | H.265/H.264/MJPEG   |                     |                     |                      |
| Resolution                         | 12Mp, 8Mp, 6Mp, 5Mp, 3Mp, 1080P, 1.3Mp, 720P & etc.   |                     |                     |                      |
| Record Rate                        | 384Mbps   |                     |                     |                      |
| Bit Rate                           | 1~ 20Mbps   |                     |                     |                      |
| Record Mode                        | Manual, Schedule(Regular(Continuous), MD(Video detection: Motion detection, Camera blank, Video loss), 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 out, Video Push, Email, FTP, Snapshot, Buzzer & Screen tips   |                     |                     |                      |
| Video Detection                    | Motion Detection, MD Zones: 396(22×18), Video Loss & Camera Blank   |                     |                     |                      |
| Alarm Input                        | 16ch, low level effective, green terminal interface   |                     |                     |                      |
| Relay Output                       | 8ch, Relay contact(1A@24VDC), NO/NC programmable, green terminal interface  |                     |                     |                      |
| <b>Playback &amp; Backup</b>       |   |                     |                     |                      |
| Playback                           | 128Mbps in Raid 5 mode<br>64Mbps in single HDD mode   |                     |                     |                      |
| Search Mode                        | Time/Date, Alarm, MD & Exact search (accurate to second)  |                     |                     |                      |
| 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  |                     |                     |                      |
| <b>Network</b>                     |   |                     |                     |                      |
| Interface                          | 4 RJ-45 ports (10/100/1000Mbps)   |                     |                     |                      |
| Ethernet Port                      | 4 Ethernet ports joint working or 4 independent 1000Mbps Ethernet ports   |                     |                     |                      |
| Optical Fiber Interface            | 2 Giga Optical fiber interface  |                     |                     |                      |

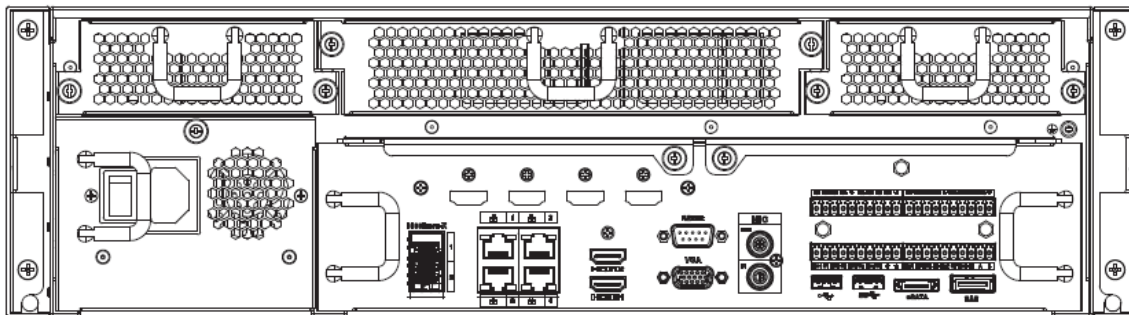
## DH-NVR616/616D/616R/616DR-128-4KS2

|                            |  |                                     |
|----------------------------|--|-------------------------------------|
| 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  |                                     |
| <b>Storage</b>             |  |                                     |
| Internal HDD               | 16 SATA III ports, up to 96TB  |                                     |
| HDD Mode                   | Single, Raid 0/1/5/6/10/50/60 (Support global HDD hot-spare)   |                                     |
| <b>Auxiliary Interface</b> |  |                                     |
| Front cover                | Support hot swap, 7" inch HD LCD (1920x1080/1280x1024/1024x768) (Model -D&DR)  |                                     |
| USB                        | 4 USB ports(2 USB2.0, 2 USB3.0)  |                                     |
| Esata                      | 1 eSATA port   |                                     |
| SAS                        | 1 Mini SAS port, for storage expansion   |                                     |
| RS232                      | 1 port, for PC communication& keyboard   |                                     |
| RS485                      | 1 port, For PTZ control  |                                     |
| <b>General</b>             |  |                                     |
| Power Supply               | AC100V~240V, 50~60Hz   | AC100V~240V, 50~60Hz ,<br>Redundant |
| Power Consumption          | <60W (Without HDD)   |                                     |
| Working Environment        | -10°C~+55°C/10%~90%RH/86~106kpa  |                                     |
| Dimension(W×D×H)           | 485mm(with ears)×516.6mm ×133.2mm  |                                     |
| Weight                     | 17.45kg (without HDD)  |                                     |
| Installation               | Rack-mounted   |                                     |

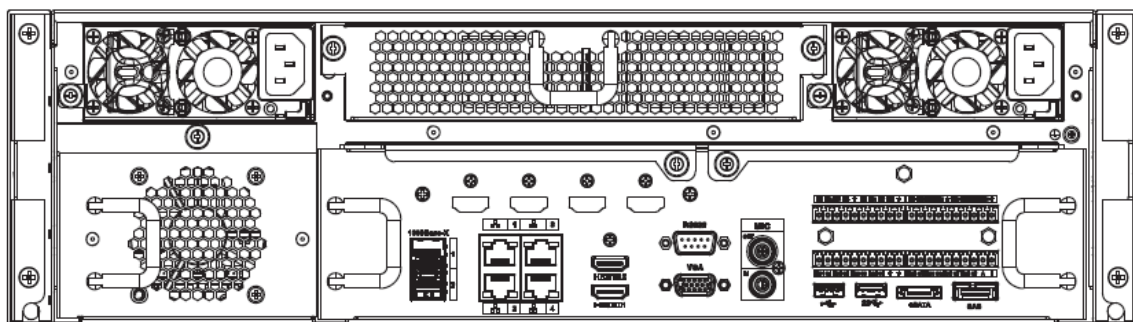
# DH-NVR616/616D/616R/616DR-128-4KS2

## Rear Panel:

NVR616-128-4KS2 & NVR616D-128-4KS2



NVR616R-128-4KS2 & NVR616DR-128-4KS2



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\*Design and specifications are subject to change without notice.

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