

# VAL-NVR-128CH-S



## SYSTEM OVERVIEW

VALVUR NVR is capable of transmitting up to 8MP image. It helps to save up to 50% HDD and storage space with its H.265 decoding technology compared with H.264.

The NVR is compatible with numerous third-party devices making it the perfect solution for surveillance systems that work independently of video management system (VMS).

It features an open architecture that supports for multi-user access and is compatible with ONVIF 2.4 protocol, enabling interoperability with IP cameras.

- Embedded Linux operation system, high performance Intel processor
- Support H.264/MPEG4/MJPEG encoding video
- Up to 128 channel 1080P@4M IP camera input, total audio & video bandwidth 384M
- Supports up to 6 megapixels resolution IP camera
- Support TV, VGA, HDMI sync output; HDMI video output resolution up to 3840x2160 (4Kx2K)
- Support up to 16 channels 1080P@30fps display & playback decoding
- Support P2P connection and mobile phone remote viewing
- The mouse can realize three-dimensional intelligent positioning function
- Support monitoring and playback digital zoom in / out (ePTZ)
- Support time line scroll playback
- Support FTP record video uploading (NAS)
- Support NTP (network time), SADP (IP automatic search), Email (mail service), UPNP (Universal Plug and Play)
- One-step auto configuration, IP camera plug and play
- ONVIF 2.4, support IP camera batch searching and adding, support ONVIF motion detection alarm and recording, PTZ control
- Support HDD Low Space, HDD Not Exist, HDD Error, IP Address Conflict, Video Channel Disconnect, Network Disconnection, etc abnormality alarm
- Support IP address filter, support NO-IP, DynDNS DDNS; Multicast, QoS, Reverse Link.
- Support video watermark
- 2x USB 2.0, 16 alarm input / 4 alarm output
- Support USB backup video to standard AVI file

# TECHNICAL SPECIFICATION

| SYSTEM                 |   |
|------------------------|---|
| Chips                  | Hgh performance Intel processor                                     |
| Operation System       | Embedded LINUX  |
| Memory                 | 2GB DDR3  |
| Pentaplex function     | Live monitoring, recording, playback, backup & remote access        |
| Control Mode           | Front panel, USB mouse, Network                                     |
| VIDEO                  |   |
| IP Camera Input        | 128ch.1080P@30fps(3Mbps)  |
| Support Protocol       | ONVIF/SDK   |
| Resolution             | 6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF             |
| Output                 | 1 CVBS, BNC (1.0Vp-p,75 ohms)                                       |
|                        | 1 SPOT,BNC (1.0Vp-p,75ohms)   |
|                        | 1 HDMI, 1.3a, support 4Kx2K Ultra HD Resolution                     |
|                        | 1VGA,1920×1080,1440×900,1280×1024,1024×768,800×600 Resolution       |
| AUDIO                  |   |
| Input                  | 1 ch. BNC   |
| Output                 | 1 ch. BNC (3.3Vp-p,4.7k ohms)                                       |
| Bidirectional Talk     | 1ch. Standalone   |
| DISPLAY                |   |
| Resolution             | HDMI: up to 4Kx2K, VGA: 1080P                                       |
| Frame                  | 1~30fps   |
| Tour Display           | Support   |
| Working Status Display | LED light   |
| RECORDING              |   |
| Privacy Masking        | Four zones for privacy masking for each channel                     |
| Video Compression      | /H.264/MPEG4/MJPEG,up to H.264 Main Profile 5.0                     |
| Audio Compression      | G.711A  |
| Image Encoding         | Adjustable encoding quality, variable code stream/fixed code stream |
| Dual Stream            | Support   |
| Resolution(NVR)        | D1,720P,1080P, 3MP, 5MP, 4K etc. upt to 24MP: 4096x3072             |

| VIDEO DETECTION & ALARM   |   |
|---------------------------|---|
| Recording Mode            | Manual, auto, motion detection, stop  |
| Time bar                  | Support   |
| Trigger Events            | Recording, PTZ, Tour, Email   |
| Motion Detection          | 396 (22×18) detection zone, variable sensitivity levels                           |
| Capture                   | JPEG capture  |
| Alarm Input               | 16ch.   |
| Alarm Output              | 4ch.NO,NC   |
| PLAYBACK & BACKUP NETWORK |   |
| Max Playback              | Max 32ch. 16ch 1080P@30fps decoding   |
| Backup Mode               | USB, HDD, Network Backup  |
| Ethernet                  | 2 RJ-45 port (10M/100/1000M)  |
| Network protocol          | TCP/IP, UDP, HTTP, RTP/RTSP   |
| Network Functions         | DHCP, PPPOE, DDNS, SMTP, SNTP, FTP, UPnP  |
| Remote Operation          | Monitoring, PTZ control, playback, system setting, file download, log information |
| HARD DISK                 |   |
| Hard Disk                 | 8 SATA,1 ESATA ports  |
| HDD Management            | Hard disk hibernation technology, HDD faulty alarm & raid                         |
| AUXILIARY INTERFACE       |   |
| USB Interface             | 2 USB 2.0 ports   |
| RS232                     | Support   |
| RS485                     | Standard 485, half duplex, PTZ control  |
| GENERAL                   |   |
| Power Supply              | 110V~220V±10% ±10% 47Hz~63Hz  |
| Power Consumption         | 30W (without HDD)   |
| Working Environment       | -10°C~ +55°C / 10%—90%RH  |
| Dimension (W*D*H)         | 2U, 441x448x88 (mm)   |
| Weight                    | 7.5Kg (without HDD)   |
| Installation              | Shelf/Desk type   |

## SERVICES AVAILABLE

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