

VAL-NVR-16CH-POE

SYSTEM OVERVIEW

VAL-NVR-16CH-POE is a standalone high definition network surveillance video recorder with 16 PoE ports switch. It uses embedded Linux system which keep device away from the computer viruses.

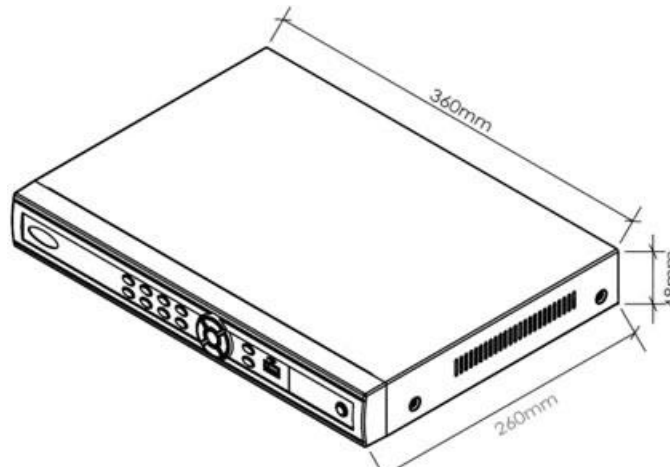
It's special suitable to use for small business and enterprise security system, capable of transmitting 8MP image. It helps to save up to 50% HDD and storage space with its H.265 decoding technology compared with H.264.

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).



- Support 16 channels 1080P (8Mbps) or 16 channels 720P (4Mbps) IP camera input, monitor, record.
- Support 16 port POE power supply to IP camera
- Supports up to 5 megapixels network camera
- The mouse can realize three-dimensional intelligent positioning function
- Support up to 8 channels of simultaneous playback
- Support 2 SATA interfaces
- Support HDD SMART technology
- Built P2P services can be accessed through a browser, mobile phones, PC clients achieve global Internet;

DIMENSION & REAR PANEL



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TECHNICAL SPECIFICATION

SYSTEM	
Chips	Hi3535
Operation System	Embedded LINUX
Pentaplex function	Live monitoring, recording, playback, backup & remote access
Control Mode	Front panel, USB mouse, Network
VIDEO	
IP Camera Input	Total video bandwidth: 160 Mbps 16ch.1080P@30fps 16ch.720P@30fps 16ch.D1@30fps
Support Protocol	ONVIF/SDK
Output	1 CVBS, BNC (1.0Vp-p,75 ohms)
	1 HDMI, 1.3a, support 1920X1080 Resolution
	1VGA,1920×1080,1440×900,1280×1024, 1024×768,800×600 Resolution
AUDIO	
Input	1 ch. BNC
Output	1 BNC (3.3Vp-p,4.7k ohms)
Bidirectional Talk	1ch. Standalone
DISPLAY	
Resolution	5MP/ 3MP/ 1080P/ UXGA/ 720P/ VGA/ 4CIF/ DCIF/ 2CIF/ CIF/ QCIF
Frame	1~30fps
Tour Display	Support
RECORDING	
Privacy Masking	Four zones for privacy masking for each channel
Video Compression	H.264/MPEG4 AVC, up to Main Profile 5.0
Audio Compression	G.711A
Image Encoding	Adjustable encoding quality, variable code stream/fixed code stream
Dual Stream	Support
Recording Mode	Manual, auto, motion detection, scheduled
Time Bar	Support
POE FUNCTION	
POE Function	16 Ports/ IEEE802.3af/ RJ4510M/100M

VIDEO DETECTION & ALARM	
Trigger Events	Recording, PTZ, Tour, Email
Motion Detection	396 (22×18) detection zone, variable sensitivity levels
Capture	JPEG capture
Alarm Input	8ch.
Alarm Output	3ch.NO, NC
PLAYBACK & BACKUP NETWORK	
Max Playback	1/2/4/8/16
Backup Mode	USB, HDD, Network Backup, Cloud Storage
Ethernet	1 RJ-45 port (10M/100)
Network protocol	TCP/IP, UDP, HTTP, DNS, DDNS, DHCP, FTP, NTP, PPPOE, RTSP, SMTP, UPnP, P2P, ONVIF, SADP, IP Address filter, QoS, Multicast, 3G, Network Alarm
Cloud Storage	Google drive, Dropbox, Baidu
Remote Operation	Monitoring, PTZ control, playback, system setting, file download, log information
HARD DISK	
Hard Disk	2 SATA Ports
HDD Management	Hard disk hibernation technology, HDD faulty alarm
AUXILIARY INTERFACE	
USB Interface	2 USB 2.0 ports
RS485	Standard 485, half duplex, PTZ control
GENERAL	
Power Supply	DC12V/3.3A DC48V/4A(POE)
Working Environment	-10°C~+55°C / 10%—90%RH
Power Consumption	10W (without HDD)
Dimension/Weight	1U, 360X250X48MM / 2KG without HDD
Installation	Desk type

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