



technical specifications

VK-NVR2216-16P



16 CH, 16 PoE Ports
up to 4K



perimeter protection
face detection
human / vehicle detection



2 HDD
up to 14 TB



HDMI up to 4K
audio 1 input / 1 output

System

OS	Embedded Linux
OS operation interface	Web/operating in local GUI

AI by camera

Perimeter protection	Yes, 16 channels
Face detection	Yes, 16 channels
Human/vehicle detection	Yes, 16 channels
SMD	Yes, 16 channels

Bandwidth

Incoming	96Mbps
Outcoming	96Mbps

Video & audio output

VGA	1080P / 1.3MP / 720P
HDMI	4K / 1080P / 1.3MP / 720P
Audio output	1CH, RCA (line out, 2Vp-p)

Audio

Audio compression	G.711A
Audio bit rate	8Kbps (16bit)
Two-way talk	Yes

Video & audio decoding

IP channel resolution	Up to 3840 x 2160
Video decoding	H.265 / H.264
Audio decoding	G.711A / G.711U / G.726
Synchronous playback	16CH
Decoding ability	4CH 1080P@30fps / 1CH 4K@30fps

Preview, playback & alarm

Synchronous preview	16
Multi-screen display	1, 4, 8, 9, 16 views
Record mode	Manual; schedule (general, MD, alarm, intelligent)
AI search	Search by target classification (human, vehicle, non-motor vehicle)
Backup	USB device
Playback function	1. Play, pause, stop, fast forward, fast backward, rewind, play by frame 2. Full screen, backup (cut/file), partially enlarge, audio on/off
Alarm linkage	Record, snapshot, buzzer, log, preset, email

Network

Network protocol	HTTP, TCP/IP, IPv4, UPnP, SNMP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, DDNS, FTP, P2P, Auto register
Mobile	Android, iOS
Interoperability	ONVIF, SDK
Browser	IE8 or later

HDD

SATA	2
Max capacity	14TB

External interface

Network	1 RJ-45 100M
VGA	1
HDMI	1
USB	2 x 2.0
PoE ports	16
RS-485	1 / 1



General

Dimensions	1U 360 x 262 x 48 mm
Installation	Desktop installation
Power supply	DC 48V 1.88A
Consumption	7W (without HDD)
Working temperature	-10°C to +55°C
Working humidity	10% ~ 90%