

## technical specifications

# VK-NVR5216-16P-AI



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

Perimeter protection	16CH by camera, 4CH by NVR
Face detection	16CH by camera, 4CH by NVR
Human/vehicle detection	16CH by camera
SMD	16CH by camera, 4CH by NVR

### Bandwidth

Incoming	192Mbps
Outcoming	192Mbps
IPC input	16CH
IPC access	Support one-click add IPC function

### 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	64Kbps
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 / G711U / G726
Synchronous playback	16CH
Decoding ability	16CH 1080P@30fps / 4CH 4K@30fps

### Preview & playback

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 1000M
VGA	1
HDMI	1
USB	2 x 2.0
PoE ports	16
Audio i / o	1 / 1

## General

Front panel	E
Dimensions	1U 360 x 311.5 x 48 mm
Installation	Desktop installation
Power supply	AC110V ~ 220V±10% 47Hz ~ 63Hz
Consumption	20W (without HDD/PoE)
Working temperature	-10°C to +55°C
Working humidity	10% ~ 90%

