![iNNEKT iP]
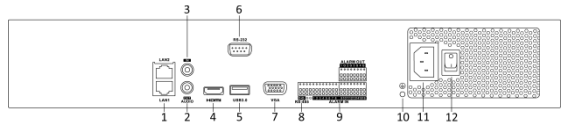
Models

ZKN416E

Physical Interfaces

Main Features

- Up to 16 network cameras can be connected.
- Support live view, storage, and playback of the connected camera at up to 6 megapixels resolution.
- Simultaneous HDMI and VGA at 1920 × 1080 resolution.
- New GUI and support starting record with one key.
- Redundant recording, holiday recording and capture schedule configuration.
- Realize instant playback for assigned channel during multi-channel display mode.
- Up to 16-ch synchronous playback at 4CIF resolution.
- Smart search for the selected area in the video.
- Customization of tags, searching, and playing back by tags.
- Locking and unlocking record files.
- Support HDD quota and group modes; different capacity can be assigned to different channel.
- Up to 4 SATA hard disks can be connected, for both recording and backup.
- 2 self-adaptive 10M/100M/1000M network interfaces, with working modes configurable multi-address, load balance, network fault tolerance, etc.
- Support INNEKT DDNS (Dynamic Domain Name System);
- Support network detection, including network delay, packet loss, etc.
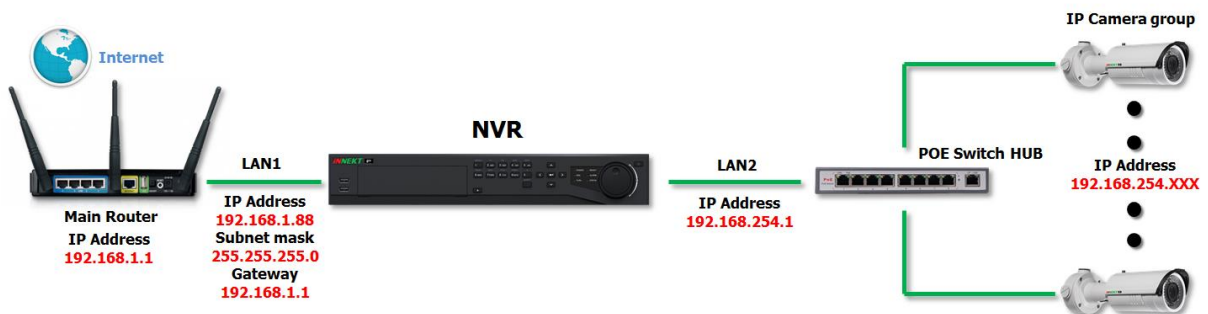- Support enabling H.264+ to ensure high video quality with lowered bitrate

Index	Name
1	LAN1 and LAN2 Network Interfaces
2	AUDIO OUT
3	AUDIO IN
4	HDMI Interface
5	USB 3.0 Interface
6	RS-232 Serial Interface
7	VGA Interface
8	RS-485 Serial Interface
9	ALARM IN and ALARM OUT
10	GND
11	100~240VAC Power Input
12	Power Switch

Example. Block Diagram

Specification

Model		ZKN416E
Video/Audio input	IP Video input	16-ch
	Two-way audio input	1-ch,RCA(2.0 Vp-p,1kΩ)
Network	Incoming bandwidth	160Mbps
	Outgoing bandwidth	80Mbps
	Remote connection	128
Video/Audio output	Recording resolution	6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
	Frame rate	Main stream 50 fps (P)/60 fps (N)
		Sub stream 50 fps (P)/60 fps (N)
	HDMI/VGA output	1-ch, resolution: 1920 x 1080 /60Hz, 1600 x 1200 /60Hz, 1280 x 1024 /60Hz, 1280 x 720 /60Hz, 1024 x 768 /60Hz
	Audio output	1-ch, RCA(Linear, 1kΩ)
Decoding	Live view / Playback resolution	6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
	Capability	16-ch@4CIF, 12-ch@720P, 6-ch@1080P
Hard disk	SATA	4 SATA interfaces for 4 HDDs
	Capacity	Up to 6TB for each disk
External interface	Network interface	2 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
	Serial interface	RS-232 and RS-485
	USB interface	2 x USB 2.0 and 1 x USB 3.0
	Alarm in/out	16/4 (optionally can be expanded to 16/8)
Network interface	Protocols	PPPoE, DHCP, DNS, DDNS, NTP, SADP, SMTP, SNMP, NFS, iSCSI, TCP, UDP, RTP, RTSP, UPnP, HTTPS, IPv4, IPv6
General	Power supply	100 -240VAC
	Consumption (without hard disk and PoE)	≤20W
General	Working temperature	-10˚C - +55 ˚C (+14 ˚F - +131 ˚F)
	Working humidity	10%-90%
	Chassis	19-inch rack-mounted 1.5U chassis
	Dimensions (W x D x H)	445 x 390 x 70mm
	Weight (without hard disk)	≤4 kg