Model

ZKN416I

HD Input

- H.265/H.264/MPEG4 video formats
- Connectable to the third-party network cameras
- Up to 16 IP cameras can be connected
- Recording at up to 12 MP resolution
- Supports live view, storage, and playback of the connected camera at up to 12 MP resolution

HD Output

- HDMI and VGA outputs provided
- HDMI Video output at up to 4K (3840 × 2160) resolution

HD Storage

- Up to 4 SATA interfaces connectable for recording and backup
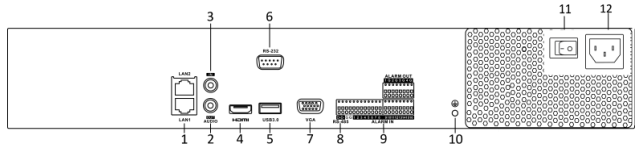- Storage space effectively saved by 50% to 70% with the use of H.264+ decoding format

HD Transmission

- 2 self-adaptive 10M/100M/1000M network interfaces
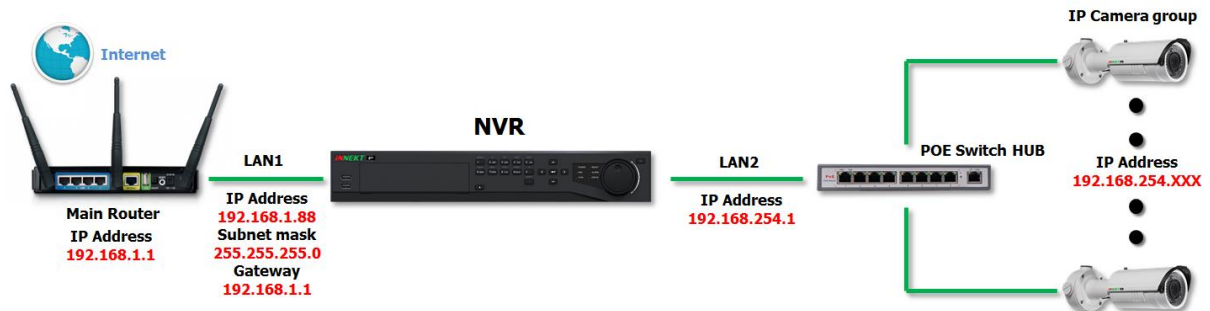
Various Applications

- Centralized management of IP cameras, including configuration information import/export, real-time information display two-way audio, upgrade, etc.
- Instant playback for assigned channel during multi-channel display mode
- Smart search for the selected area in the video and smart playback to improve the playback efficiency
- Supports HDD quota and group modes; different capacity can be assigned to different channels

Physical Interfaces

Index	Description
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

Specifications

Model		ZKN416I
Video/Audio input	IP Video input	16-ch
		Up to 12 MP resolution
	Two-way audio input	1-ch,RCA(2.0 Vp-p,1kΩ)
Network	Incoming bandwidth	160Mbps
	Outgoing bandwidth	256Mbps
	Remote connection	128
Video/Audio output	Recording resolution	12MP/8MP/6MP/5MP/4MP/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 output resolution	4K(3840 x 2160)/60Hz, 4K(3840 x 2160)/30Hz, 1920 x 1080 /60Hz, 1600 x 1200 /60Hz, 1280 x 1024 /60Hz, 1280 x 720 /60Hz, 1024 x 768 /60Hz
	VGA output 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	Decoding format	H.265/H.264/MPEG4
	Live view / Playback resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
	Synchronous playback	16-ch
	Capability	4-ch@4K, 16-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	1 RS-232 and 1 RS-485 (half-duplex)
	USB interface	Front panel: 2 x USB 2.0 and Rear panel 1 x USB 3.0
	Alarm in/out	16/4
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
	Power	≤80W
General	Consumption (without hard disk and PoE)	≤20W
	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)	≤5 kg