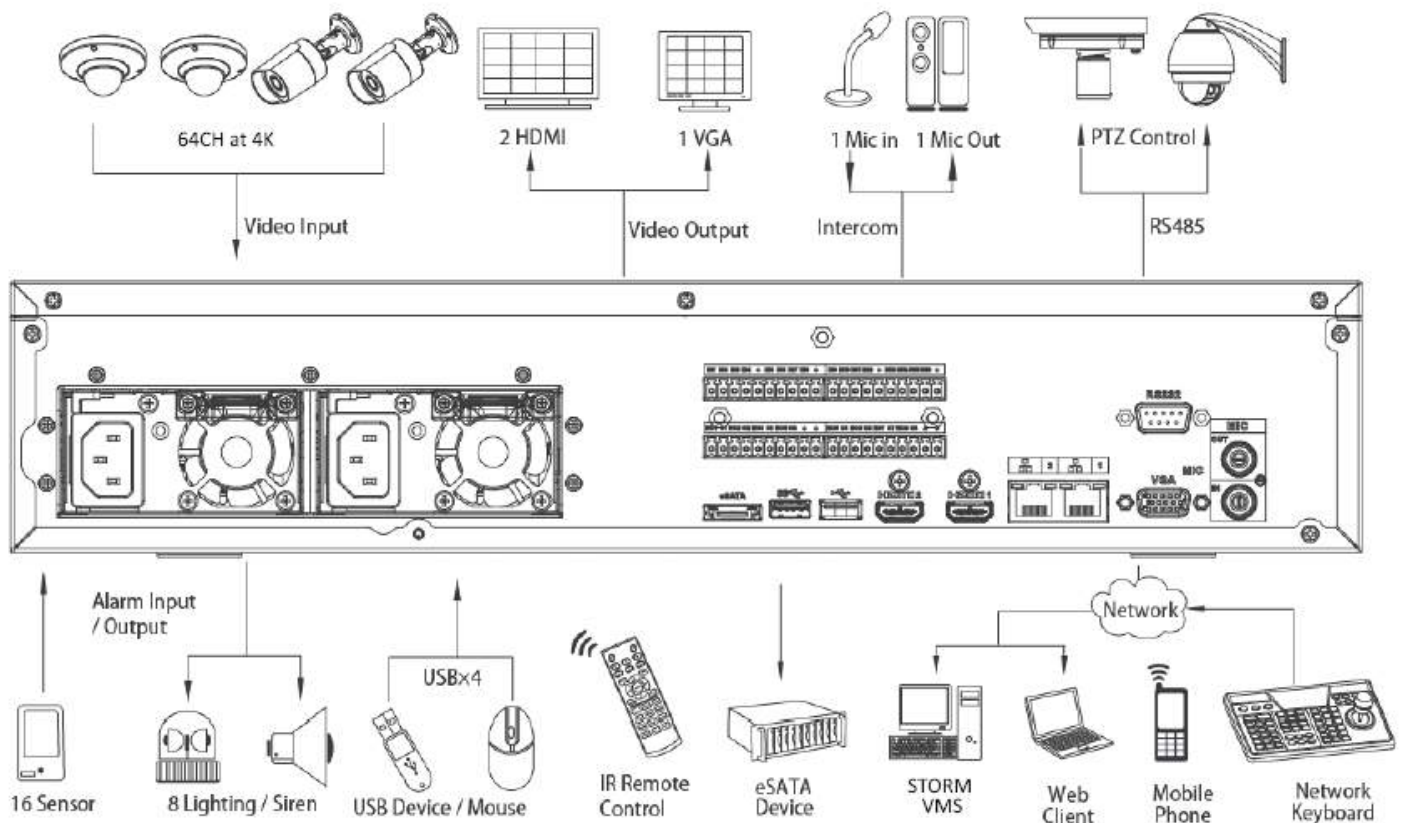![Inaxsys logo]

64-Channel 4K H.265 Network Video Recorder

- Maximum of 64 IP cameras supported
- Maximum 384 Mbps incoming bandwidth
- Up to 12MP resolution in preview & playback
- Intel Processor
- Supports RAID 0/1/5/6/10
- Smart Tracking and Intelligent Video
- Supports iSCSI to expand storage space
- All channels synchronous realtime playback, GRID interface
- Supports multiple brands of network cameras
- ONVIF Version 2.4 conformance

System Connection

Technical Specifications

System	
Main Processor	Intel Quad-core Processor
Operating System	Embedded LINUX
Video & Audio	
IP Camera Inputs	64/128 channels
Two-way Voice	1channel Input, 1channel Output, RCA
Display	
Interface	2 HDMI (up to 3840 × 2160), 1 VGA
Resolution	3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720, 1024 × 768
Multi-screen Display	The 1st screen: 1 / 4 / 8 / 9 / 16 / 25 / 36; the 2nd screen: 1 / 4 / 8 / 9 / 16
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Recording	
Compression	H.265/H.264/MJPEG
Resolution	12MP, 8MP, 6MP, 5MP, 3MP, 1080P, 1.3MP, 720P, etc.
Recording Rate	384Mbps
Bit Rate	16Kbps ~ 20Mbps Per Channel
Recording Mode	Manual, Schedule (Regular (Continuous), MD (Video detection: Motion detection, Camera blank, Video loss), Alarm), Stop
Recording Interval	1~120 min (default: 60min), Pre-record: 1~30 sec, Post-record: 10~300 sec
Video Detection & Alarm	
Trigger Events	Recording, PTZ, Tour, Alarm out, Video Push, Email, FTP, Snapshot, Buzzer & Screen tips
Video Detection	Motion Detection, MD Zones: 396 (22×18), Video Loss & Camera Obscurred
Alarm Input	16ch, Low Level Effective, Green Terminal Interface
Relay Output	8 Channel, NO/NC Programmable, Green Terminal Interface
Playback & Backup	
Playback	128Mbps in Raid 5 mode, 64Mbps in single HDD mode
Search Mode	Time/Date, Alarm, MD & Exact search (accurate to second), Smart search
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom
Backup Mode	USB Device / Network / eSATA Device
Network	
Interface	2 RJ-45 ports (10/100/1000Mbps)
Ethernet Port	2 Ethernet ports jointly working or 2 independent 1000 Mbps Ethernet ports
Network Function	HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, IP Search
Maximum User Access	128 users
Smart Phone	iPhone, iPad, Android
Storage	
Internal HDD	8 SATA III Ports, Up to 8 TB capacity for each HDD
HDD Mode	Single, Raid 0 / 1 / 5 / 6 / 10 / 50 / 60 (Support global HDD hot-spare)

Technical Specifications

Auxiliary Interface	
USB	4 USB ports (3 USB 2.0, 1 USB 3.0)
eSATA	1 eSATA port
RS232	1 port, for PC communication & keyboard
RS485	1 port, for PTZ control
General	
Power Supply	AC100V~240V, 50~60Hz, Less than 20W (without HDD)
Working Environment	-10°C to +55°C / 10% to 90% RH / 86 to 106kpa
Dimension / Weight	2U, 444mm x 457.08mm x 95mm (17.5" x 18" x 3.7") / 9 kg (without HDD)

64-Channel 4K Network Video Recorder Model Numbers :

INS644K12T: 64CH 4K Network Video Recorder **with 12TB** of Storage

INS644K16T: 64CH 4K Network Video Recorder **with 16TB** of Storage

INS644K20T: 64CH 4K Network Video Recorder **with 20TB** of Storage

INS644K24T: 64CH 4K Network Video Recorder **with 24TB** of Storage

INS644K28T: 64CH 4K Network Video Recorder **with 28TB** of Storage

INS644K32T: 64CH 4K Network Video Recorder **with 32TB** of Storage

INS644K36T: 64CH 4K Network Video Recorder **with 36TB** of Storage

INS644K40T: 64CH 4K Network Video Recorder **with 40TB** of Storage

INS644K44T: 64CH 4K Network Video Recorder **with 44TB** of Storage

INS644K48T: 64CH 4K Network Video Recorder **with 48TB** of Storage