

# USNVR64CH-R-4K

## 64 Channel 4K, H.265 ULTRA Network Video Recorder

### System Overview

USNVR64CH-R-4K is a great ULTRA Series NVR supporting 4K and up to H.265. This NVR provides up to 12MP resolution. When details are needed, it provides powerful image performance. This NVR also includes features like mouse shortcut operation menu, remote management and control, central storage, edge storage, back up storage and RAID 0/1/5/6/10. Great design is perfect for applications like public safety, transportation, education and commercial building applications where details and processing power are needed.

### Features

- Smart H.265/H.264/MJPEG decoding (Intel Processor)
- Max 384Mbps Incoming bandwidth (Up to 12MP IPC)
- Supports 4K ultra HD (3840x2160) for recording, live viewing and playback
- 2 HDMI (up to 3840x2160, different source), 1 VGA
- Supports RAID 0/1/5/6/10
- Smart tracking and intelligent video for PTZ
- Supports Fisheye Dewarping, ANR Technology



### Functions

The NVR supports 4K ultra HD resolution (3840 x 2160) for recording, live viewing and playback.

IVS. Working with built-in intelligent video analytics IP cameras, the NVR can detect and analyze moving objects for improved video surveillance. The NVR provides optional standard intelligence at the edge allowing detection of multiple object behaviors such as abandoned or missing objects. IVS also supports Tripwire analytics, allowing the camera to detect when a pre-determined line has been crossed, People Counting, Heat Map ideal for business intelligence, and Face Detection, for searching or identification of individuals.

RAID 0/1/5/6/10 a balance between storage performance, capacity and data integrity. Faster and safer recording. N+M hot standby design provides a secure, failover technique ensuring immediate backup. In the event of a system failure, the slave instantly takes over the master ensuring no data is lost.

ANR (Automatic Network Replenishment Technology), Video records on SD card in IP cameras when the network stops, and after the network recovers, the video will be transferred to NVR and then recorded.

Smart Tracking feature automatically tracks a moving target throughout the cameras field of view. This function is ideal for following an object as it moves through airports, parking lots, business complex and other types of applications.

Fisheye Dewarping modes to make viewing video easy whether its live or during playback.

# Specifications

## System

Main Processor	Intel Dual-core processor
Operating System	Embedded LINUX

## Display

Interface	2 HDMI (up to 3840 x 2160, Different Source) 1 VGA
Resolution	3840x2160, 1920x1080, 1280x1024, 1280x720, 1024x768
Multi-screen Display	1 <sup>st</sup> Screen: 1/4/8/9/16/25/36 2 <sup>nd</sup> Screen: 1/4/8/9/16
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording

## Video Detection and Alarm

Trigger Events	Recording, PTZ, Tour, Alarm out, Video Push, Email, Snapshot, Buzzer and Screen Tips
Video Detection	Motion Detection, MD Zones:396 (22x18), Video Loss and Tampering
Alarm Input	16 Channel, Low Level Effective, Green Terminal Interface
Relay Output	8 Channel, NO/NC Programmable, Green Terminal Interface
Tracking Trigger Event	Zoom, Tracking, Recording, Preset, Snapshot, Alarm, etc.

## Playback and Backup

Playback	128 Mbps in Raid 5 Mode; 64Mbps in single HDD Mode
Search Mode	Time/Date, Alarm, MD and exact Search (accurate to second)
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

## Storage

Internal HDD	8 SATA III Port, Up to 8TB capacity for each HDD
HDD Mode	Single, Raid 0/1/5/6/10( <b>Enterprise-level HDDs are recommended</b> ), Support Global HDD Hot-spare
eSATA	1 eSATA Port (Please contact technical engineer to confirm the compatible device)
SAS	N/A

## Auxiliary Interface

USB	4 USB Ports (2 USB 2.0, 2 USB 3.0)
RS232	1 Port, for PC Communication and Keyboard
RS485	1 Port for PTZ control

## Audio and Video

IP Camera Input	64 Channel
Two-way Talk	1 Channel Input, 1 Channel Output, RCA

## Recording

Compression	H.265/H.264/MJPEG
Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/ 1.3MP/720P etc.

Record Rate	384Mbps
Bit Rate	16Kbps ~ 20Mbps Per Channel
Record Mode	Manual, Schedule, Regular, Motion Detect, Alarm, IVS, Holiday, Stop
Record Interval	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record 10~ 300 sec

## Network

Interface	2 RJ-45 Port (10/100/1000Mbps)
Ethernet Port	2 Ethernet Ports joint working or 2 independent 1000Mbps Ethernet Ports
PoE	N/A
Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, IP Search (Support ZUUM IP camera, DVR, NVS, etc.), Easy4ip
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 2.4, CGI Conformant

## Electrical

Power Supply	AC100V ~ 240V, 50 ~ 60 Hz. REDUNDANT
Power Consumption	NVR:<20W (Without HDD)

## Environmental

Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH

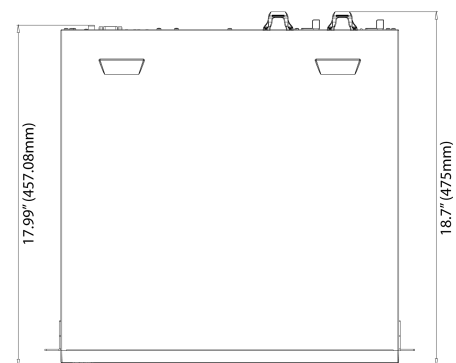
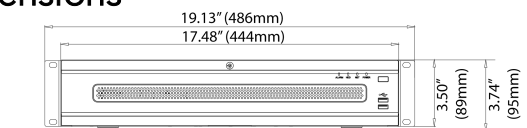
## Construction

Dimensions	2U, 486mm x 457.08mm x 95mm (19.13" x 17.99" x 3.74")
Net Weight	9.7kg (21.4 lb.) (without HDD)
Gross Weight	12.2kg (26.9 lb.) (without HDD)
Installation	Rack-mounted

## Certifications/ Drivers

Certifications	CE, FCC, UL
Drivers/Profiles	Control 4 for compatible IPC models

## Dimensions



ZM061218 Design and specifications are subject to change without notice