



# NVR18-64

## 64 Channel Intelligent Analytics Network Video Server



### Key Features:

- 64 Camera Capacity NVR
- 2x Gigabit LAN ports
- 4x HDMI outputs 1x 8K HD output & 2x 4K HD output
- 16MP Full 7K Resolution Camera Support
- Intelligent Analytics
- License Plate Recognition
- Supports Infinity *ULTRA* Facial Recognition Cameras
- Up to 32 streaming channels of Facial Recognition
- 36 Faces-per-second processing
- Up to 10,000 on board Faces Storage Database
- 8x SATA Hard Drive Bay; 12TB each drive
- RAID 0, 1, 5, 6, 10; 2x eSATA

## Product Overview

Infinity Network Video Recorders (NVRs) supported the latest H.265+ encoding technology, bringing high efficient video compression and maintaining quality. It saves network bandwidth and storage, whilst being energy-saving design to enhance the surveillance system. Any ONVIF compliant camera that supports this compression can be used in a 'plug n play' fashion.

## Features

### Facial Recognition & Detection

When used with Infinity Facial Recognition Cameras you can stream up to 8 simultaneous channels of Facial Recognition and keep an on board database of up to 10,000 saved Faces. Setup alerts for unknown faces/strangers and for known felons.

### License Plate Recognition

When used with Infinity License Plate Cameras, the recorder can detect, display and store license plates. You can set rules to allow/deny license plates from having access (such as access control), perform searches on the license plate database, display live/recorded license plates and even import and export license plates with third party systems.

### Time & Attendance

Turn your Infinity NVR into a clock-in system to record your workers time and attendance records. Their faces can be saved into the NVR database and can be used for recording their clock-in and clock-out times; you can calculate payroll and holiday and sickness allowances automatically with visual proof and records.

### Body Thermography

When use with Infinity Body Temperature cameras, you can display thermal and temperature properties of subjects in view and save these into the NVR database. Therefore you facial records and time & attendance

### Smart Encode (H.265+)

Deliver high quality video without straining the network, Smart Encode H.265+ is the optimized implementation of H.265. The Smart H.265+ encoding technology includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction, providing saving of up to 70% of bandwidth and storage when compared with standard H.265.

### HEVC (H.265)

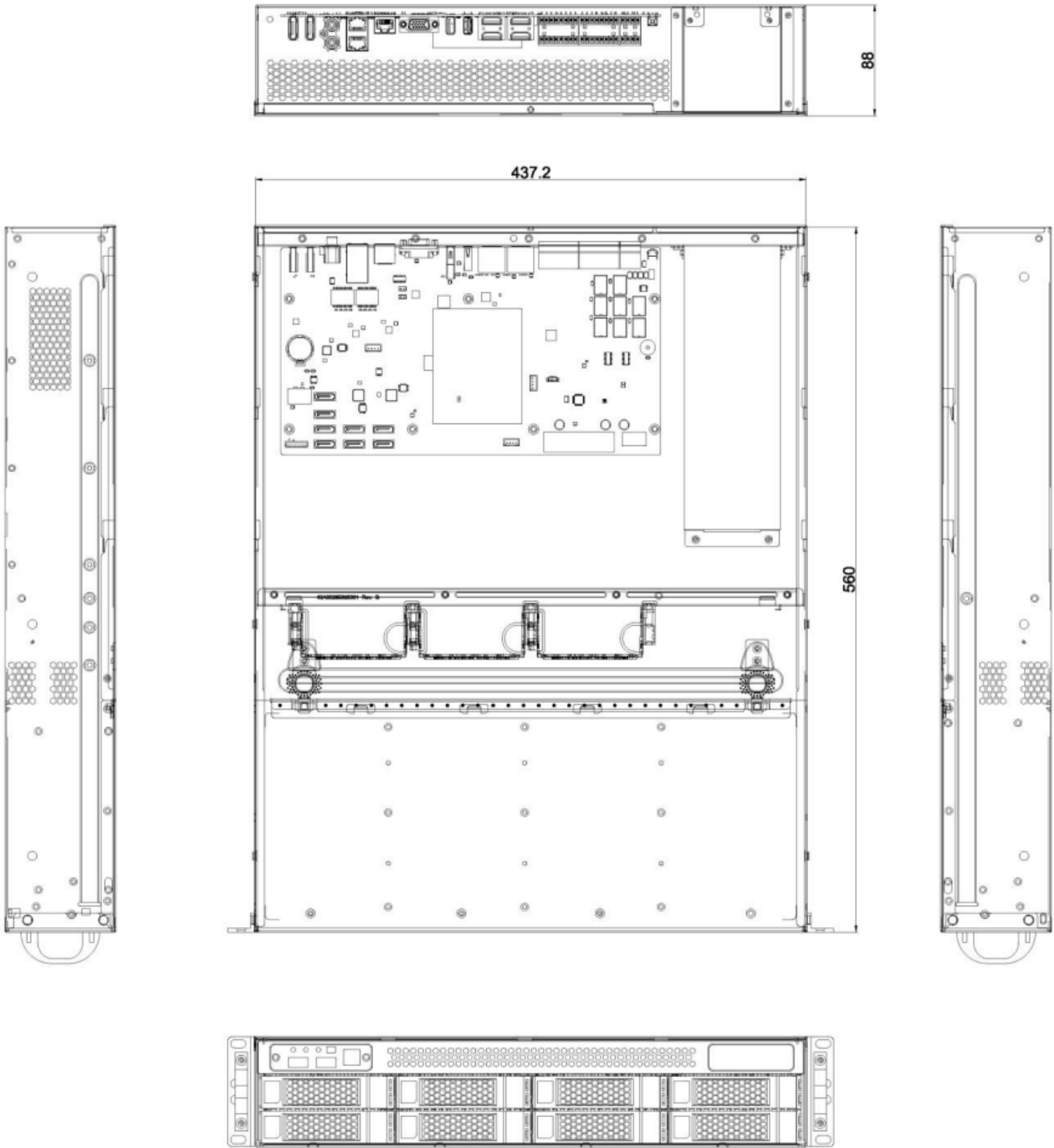
H.265 ITU-T VCEG is a new video coding standard. H.265 Following standard developed around the existing video coding standard H.264, some retain the original technology, while some of the relevant technology to improve the new technology uses advanced technology to improve the relationship between the code stream, encoding quality, and the delay between algorithm complexity, optimize settings specific contents include: Improve compression efficiency, improve the robustness and error recovery capabilities, real-time to reduce the delay, reduce channel acquisition time and a random access delay, reduce complexity.

# Technical Specification

System	
Operating System	Embedded Linux
Camera Capacity	64
HDD Capacity	8
Storage Capacity	12TB per drive
Web Browser	Microsoft Edge, IE11, Google Chrome, Firefox
CMS Software	Infinity VMS Lite - Ultra
Cloud Support (P2P)	Yes
Smart Phone App	iOS / Android
Languages	Arabic, Bulgarian, Chinese, Czech, Dutch, English, Farsi, French, German, Greek, Hebrew, Hungarian, Italian, Korean, Polish, Romanian, Russian, Spanish, Thai, Turkish
Recording & Playback	
Compressions	H.265+ / H.265 / H.264+ / H.264 / H.265s
Resolutions	16MP 7K; 12MP 4K; 8MP 4K 2160P; 5MP 2592 x 1944; 4MP 2688 x 1520; 3MP 2048 x 1536; 1080P 1920 x 1080; 1280 x 960; 720P 1280 x 720; VGA 640x 480
Recording Modes	Select from: Schedule, Manual, Motion Detection
Playback	1 cam / 4 cam / 8 cam / 9 cam / 16 cam / 32 cam / 64 cam
Search Modes	All, by Channel, Manual, by Time/Date, VMD, Face
Playback Functions	Play, Pause, Stop, Fast Play, Digital Zoom
Display	
No. of Outputs	5
HD Output 1	7K 7680 x 430 / 4K 3840 x 2160 / FHD 1920 x 1080 / HD 1280 x 720
HD Output 2 & 3	4K 3840 x 2160 / 1920 x 1080 / 1280 x 720
HD Output 4	1920 x 1080 / 1280 x 720
VGA Output 1	1920 x 1080 / 1280 x 1024 / 1280 x 720 / 1024 x 768
BNC Output	N/A
Display Type	Single Camera / Split screens
Display Splits	1 cam / 4 cam / 8 cam / 9 cam / 16 cam / 32 cam / 64 cam
Zoom	Digital
Digital Zoom	Yes
OSD Support	Yes
OSD Options	Camera Title/ID, Time/Date, Recording, Motion Detection

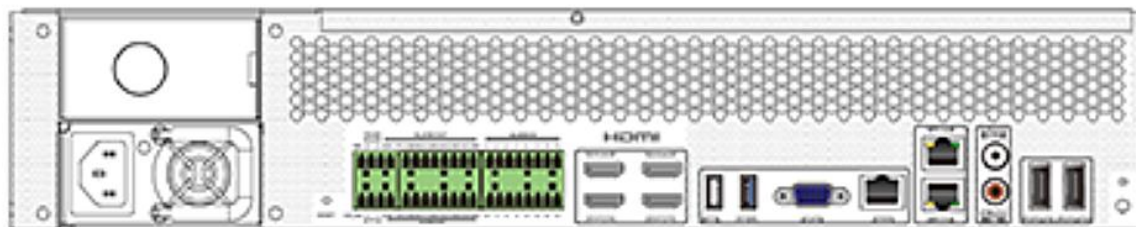
Audio	
Compression/Rate	G.711u, G.711a, ADPCM_DVI4
Audio I/O	1 RCA input; 1x RCA Output (1kΩ) (mic in/audio out)
Network	
Protocols:	IPv4/IPv6, 802.1x, HTTP, HTTPS, TCP/IP, UDP/IP, RTSP, DHCP, NTP, RTCP/RTP, PPPoE, SMTP, DNS, UPnP, FTP, ARP, SNMP
Internal Bandwidth	640Mbps
ONVIF Support	ONVIF 2 or later
Intelligence	
Detection	Video Motion Detection (VMD), Facial Recognition, Time & Attendance, ULTRA Video Analytics
Facial Detection & Recognition	
Performance	Up to 20 faces per second detection & recognition
Search	Search for recorded or stranger image by an image / image properties
Management	Up to 16 face databases with 10,000 total saved faces
Trigger Events	Buzzer, Alarm Output, Compare results in real time
License Plate Recognition	
Comparisons	License plates captured in real-time; license plates can be displayed as live detections or search results (by channel, time, expiration time, the plate etc)
Search	Search for license plates by image and/or reg plate
Management	Up to 32 license plate libraries; up to 10,000 record plates in total / plates can be imported and exported
Time & Attendance	
Manage Data	Attendance recorded by stored faces in database, perform searches and attendance details
Rules & Library	Check-in and check-out
Interface	
Ethernet	2x Ethernet (10/100/1000 Base-T) RJ-45 Connector
Audio Interface	1x Input / 1x Output
Alarm	16x Input / 4x Output
RS485	Support
RAID	On board RAID 5 / 6 / 10 Support
USB & eSATA	1 USB 3.0 , 2 USB 2.0, 2x eSATA
Electrical	
Power	230V AC / <20W (without HDD) +1
Dimensions	437.2 x 560mm x 88mm
Operating Temperature	Temperature: -10°C ~ 55°C / Less than 90% RH
Certifications	CE / FCC
Casing	Metal

# Dimensions



# Rear Panel

Rear panel for single power supply



Rear panel for redundant series

