- H.265/H.264 codec decoding
- Max 80Mbps incoming bandwidth
- Up to 8Mp resolution preview & playback
- Up to 1ch@8MP/4ch@1080P decoding
- HDMI/VGA simultaneous video output
- Support IPC UPnP, 8PoE ports

System Overview

Your favorite embedded NVR, now available in the EDGE lineup - the NVR-208NS

The NVR-208NS is an 8 channel Lite 4K NVR with integrated PoE, H.265/H.264 Decoding and plug-and-play IP Camera connectivity. It can decode up to 1 channel at 8MP (4 channel at 1080P) and supports a max of 80Mbps incoming bandwidth.

*All Edge series products come with a 3 year limited warranty

4K Resolution
4K resolution is a revolutionary breakthrough in image processing technology. 4K delivers four times the resolution of standard HDTV 1080p cameras and offers superior picture quality and image details. 4K resolution improves the clarity of a magnified scene to view or record crisp forensic video from large areas.

High Efficiency Video Coding (H.265)
The H.265 (ITU-T VCEG) video compression standard offers double the data compression ratio at the same level of video quality, or substantially improved video quality at the same bit rate, as compared to older video compression technologies. H.265 offers such impressive compression by expanding the pattern comparison and difference-coding, improving motion vector prediction and motion region merging, and incorporating an additional filtering step called sample-adaptive offset filtering.

Technical Specification

System

Main Processor	Dual-core embedded processor
Operating System	Embedded LINUX

Video

Max IP Channels	8 Channel

Audio

Two-way Talk	1 Channel Input, 1 Channel Output, RCA

Display

Interface	1 HDMI, 1 VGA
Resolution	HDMI: 3840×2160, 1920×1080, 1280×1024, 1280×720 VGA: 1920×1080, 1280×1024, 1280×720
Display Split	1/4/8/9
Decoding Capacity	1ch@8MP 30fps, 4ch@1080P 30fps
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording

Recording

Video/Audio Compression	H.265/H.264
Image Resolution	8Mp/ 6MP/ 5MP/ 4MP/ 3MP/ 1080P/ 1.3MP/ 720P etc.
Record Rate	80Mbps
Bit Rate	16Kbps ~ 20Mbps Per Channel
Record Mode	Manual, Schedule(Regular(Continuous), MD, Stop
Record Interval	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec

Video Detection & Alarm

Trigger Events	Recording, PTZ, Tour, Video Push, Email, Snapshot, Buzzer and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Tampering
Alarm Input	N/A
Relay Output	N/A

Playback & Backup

Sync Playback	1/4
Search Mode	Time /Date, MD and Exact Search (accurate to second)
Playback Functions	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Shuffle, Backup Selection, Digital Zoom
Backup Mode	USB Device/Network

Network

Ethernet	1 RJ-45 Ports (10/100/1000Mbps)
PoE	8 ports (IEEE802.3af/at)
Network Functions	HTTP, HTTPs, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, DDNS, IP Search, P2P
Max. User Access	128 users
Smart Phone	Android, iOS, iPhone
Interoperability	ONVIF 2.4, CGI Conformant

Storage

Internal HDD	1 SATA III Port, up to 6TB capacity for each HDD
HDD Mode	Single
External HDD	N/A

Auxiliary Interface

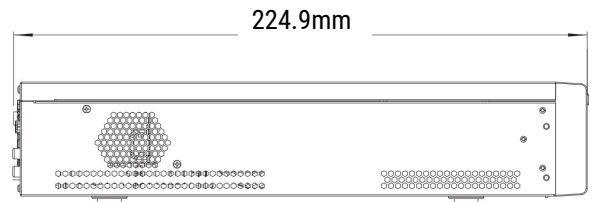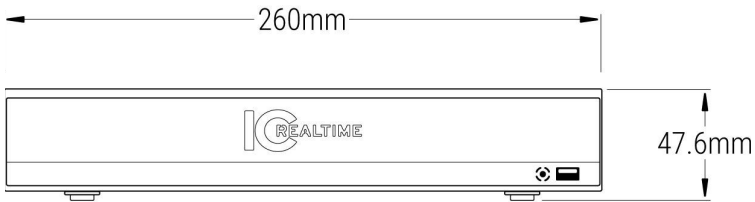|	
USB	2 USB Ports (1 USB 2.0 , 1 USB 3.0)
RS232	N/A
RS485	N/A

General

Power Supply	Single, DC48V/2A
Power Consumption	NVR: <5.8W (without HDD) PoE: Max 25.5w for single port, 80w in total
Working Environment	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
Dimensions (W×D×H)	Compact 1U, 260mm×224.9mm×47.6mm (10.2" x 8.9" x 1.9")
Weight	1.6kg (3.53 lb) (without HDD)

Certifications

Certifications	CE: EN55032, EN55024, EN50130-4, EN60950-1 FCC: Part 15 Subpart B, ANSI C63.4-2014 UL: UL60950-1

Dimensions (mm/in)

260mm

47.6mm

224.9mm

Panels

PoE PORTS

1 3 5 7

MIC OUT

DC IN

2 4 6 8

VGA

MIC IN

HDMI