



NVR7E-256

256 Channel Network Video Recorder



Key Features:

- 256 Camera Capacity NVR
- Gigabit LAN port
- 4K HDMI output and secondary VGA output
- Third Party ONVIF Cameras supported
- H.265+ and H.265 and H.264 support
- 16 SATA Hard Drive Bays, 192TB total capacity
- Support RAID, 0, 1, 5, 6, 10
- 12MP Camera Resolutions Supported
- Fisheye Camera Support
- Support Infinity *Eco* series Video Analytics

Product Overview

Infinity Network Video Recorders (NVRs) support the 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

Video Analytics

Each connected camera can be enhanced by having Video Motion Detection (VMD) rules applied to them, Infinity or third party ONVIF cameras. When using Infinity *Eco* cameras the NVR supports all analytics from supported cameras including: Humand Detection, Vehicle Detection, Line Crossing, Perimeter Detection, Human or Vehicle Intrusion, Facial Detection, Facial Recognition and more!

Ample Storage

The NVR features 16 SATA drive bays that can be used by Hard Drives, supporting the open market including Western Digital, Seagate and Hitachi.

360° Fisheye Camera

Make use of Infinity Fisheye Cameras; natively add them into your recording setup and see more with less cameras.

HEVC (H.265+)

H.265+ ITU-T VCEG is a new video coding standard. Following standard developed around the existing video coding standard H.265 / 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	256
HDD Capacity	16
Storage Capacity	12TB each, 96TB total capacity, support RAID (0, 1, 5, 6, 10)
Web Browser	IE8, IE9, IE10, IE11, Google Chrome (up to version 43), Firefox (up to version 53)
CMS Software	Infinity VMS Eco
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
Resolutions	12MP 4K, 8MP 4K 3840x2160; 5MP 2592 x 1944; 4MP 2688 x 1520; 3MP 2048 x 1536; 1080P 1920 x 1080; 960P 1280 x 960; 720P 1280 x 720; VGA 640x 480
Recording Rates	8MP 4K @ 20ips 5MP @ 25ips
Recording Modes	Select from: Schedule, Manual, Motion Detection
Playback	Max 16 cams
Search Modes	All, by Channel, Manual, by Time/Date, VMD
Playback Functions	Play, Pause, Stop, Fast Play, Digital Zoom
Display	
No. of Outputs	4
HD Output 1/2/3	4K 3840 x 2160 / 1920 x 1080 / 1280 x 720
VGA Output	Yes
VGA Resolutions	1920 x 1080 / 1280 x 1024 / 1280 x 720 / 1024 x 768
Camera Support	Infinity Eco
Fisheye Camera	Support
Display T type	Single Camera / Split screens
Display Splits	1 / 4 / 6 / 9 / 16 / 32 / 64 cam
Zoom	Digital
Digital Zoom	Yes
OSD Support	Yes
OSD Options	Camera Title, Time, Recording, Motion Detection

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	Up to 1024Mbps
ONVIF Support	ONVIF 2 or later
PoE Support	N/A
PoE Ports	N/A
PoE Bandwidth	N/A
Intelligence	
ONVIF Detection	Motion Detection (VMD)
Eco Analytics	Human & Vehicle Detection, VMD, Line Crossing, Perimeter Detection, Human and Vehicle Intrusion, Facial Detection, Facial Recognition, People Counting, Crowd Density, Queue Length, LPR, Heat Maps, Smart Events from Cameras
Interface	
Ethernet	2 Ethernet (10/100/1000 Base-T) RJ-45 Connector
Audio Interface	N/A
Alarm	16x Alarm In / 4x Alarm Out
RS485	N/A
BNC Output	N/A
eSATA	1x
USB	1x USB 2.0 (front) / 2x USB 3.0 (rear)
Electrical	
Power Supply	230V
Power Consumption	<20W (without HDD)
Operating Temperature	Starting Temperature: -10°C ~ 55°C Working Temperature: -10°C ~ 55°C
Operating Humidity	Less than 90% RH
Ingress Protection	N/A
Certifications	CE / FCC
Casing	Metal
Dimensions	440mm x 460mm x 189mm
Net Weight	Circa 6Kg (excluding HDDs)