



NVR2L-16P16

16 Channel PoE Lite Range Network Video Recorder



Key Features:

- 16 Camera Capacity NVR
- 16x PoE ports and 1 main Gigabit LAN port
- 4K HDMI output and VGA output
- Third Party ONVIF Cameras supported
- H.265+ and H.265 and H.264 support
- 2 SATA Hard Drive Bays, 12TB per bay maximum 24TB total
- 12MP Full 4K Camera Resolutions Supported
- Support Infinity *Entry & Lite* Cameras
- Support Infinity *Lite* 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

Built-in PoE

No need for auxiliary network switches, the NVR has its own PoE ports built in allowing data and power on a single cable. A dedicated Gigabit LAN port provides connectivity for PCs.

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 *Lite* 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!

Long Distance Support

Run cameras on network cables up to 200m.

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	16
HDD Capacity	2
Storage Capacity	12TB
Web Browser	Microsoft Edge, IE11, Google Chrome, Firefox
CMS Software	Infinity VMS Lite
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.264+ / H.265 / H.264
Resolutions	12MP 4K 4000x3000; 8MP 4K 4096 x 2160; 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 Modes	Select from: Schedule, Manual, Motion Detection
Search Modes	All, by Channel, Manual, by Time/Date, VMD
Playback Functions	Play, Pause, Stop, Fast Play, Digital Zoom
Display	
No. of Outputs	2
HD Output 1	3840 x 2160 / 2560 x 1440 / 1920 x 1080 / 1280 x 1024 / 1280 x 720 / 1024 x 768
HD Output 2	N/A
VGA Output	Yes
VGA Resolutions	1920 x 1080 / 1280 x 720
Camera Support	Infinity Entry & Lite
Display Type	Single Camera / Splitscreens
Display Splits	1 cam / 4 cam / 6 cam / 8 cam / 9 cam / 10 cam / 13 cam / 16 cam
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	160Mbps
ONVIF Support	ONVIF 2 or later
PoE Support	Yes
PoE Ports	16x 802.3af / 16x 802.3at 30W max
PoE Provision	16x 100Mbps independent ports, up to 200m distance in network cable extended mode
Intelligence	
Detection	Motion Detection (VMD) for Infinity or ONVIF Cameras
Entry & Lite Range	Human & Vehicle Detection, VMD, Smart Events from Cameras
Lite Analytics Range	Human & Vehicle Detection, VMD, Line Crossing, Perimeter Detection, Human Intrusion, Vehicle Intrusion, Smart Events from Cameras, People Counting, Vehicle Counting, Heat Maps, Object Enter/Leave an Area, Wandering Detection, People Gathering Detection, Illegal Parking, Abnormal Sound Detection, Scene Change, Object Added or Abandoned or Removed
Interface	
Ethernet	1 Ethernet (10/100/1000 Base-T) RJ-45 Connector
Audio Interface	1x RCA Audio in / 1x RCA Audio out
Alarm	4x Alarm in / 1x Alarm out
RS485	N/A
BNC Output	N/A
eSATA	N/A
USB	1x USB 3.0 / 1x USB 2.0
Electrical	
Power Supply	230V AC
Power Consumption	< 15W (without HDD or PoE)
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	380mm x 316mm x 51mm
Net Weight	Circa 3.5Kg (excluding HDDs)