Next-Level CCTV Recording, Powered by AI.

Experience seamless surveillance with the IQCCTV IQR3216P, an advanced 32 Channel Smart AI NVR with 16/32 PoE Ports. Designed exclusively for IQCCTV IP cameras, this Plug & Play network video recorder (NVR) ensures effortless installation, high-resolution recording (up to 12MP), and smart AI-driven security. Perfect for both homes and businesses, the IQR3216P delivers reliable 24/7 protection with cutting-edge features tailored for modern surveillance needs.

Features

- **Smart AI Recording**
  AI-powered detection for people & vehicles, filters false alerts.
- **24/7 Continuous Recording**
  Store months of footage with up to 20TB capacity.
- **Smart Playback**
  Skip to key events without hours of scrubbing.
- **AI Search**
  Find footage by person, vehicle or event in seconds.
- **Thumbnail View**
  Preview each hour of the day for fast incident review.
- **12MP, 4K 8MP Ultra HD Recording**
  Records up to 32 IP cameras in sharp 4K 8MP clarity. Includes support for 12MP recording.

- **PoE Simplicity**
  16 built-in PoE ports for plug & play camera power and data. (Model IQR3216PS includes a 16 port PoE switch for a total of 32 PoE ports)
- **Multi-Platform Access**
  View via app, PC/Mac software, or web browser.
- **Flexible Storage**
  Supports up to 20TB with USB & network backup options.
- **Energy Efficient Design**
  Low power use (≤15W), runs 24/7 in -10°C to 50°C.
- **Multilingual Interface**
  English, French, German, Spanish & more.
- **Built for Homes & Businesses**
  Smart, reliable & scalable security solution.

Compliance

UKCA   C E   FC   RoHS compliant   NDAA Compliant   PSTI

Specifications

System Processor	ARM Quad Cortex A53, Embedded Linux OS
Video Input	32 Channels (up to 12MP / 8MP 4K)
Video Compression	H.265 / H.264 / H.265+ / H.264+
Recording Modes	Manual / Timer / Motion Detection / Smart Event
Recording Resolution	Up to 12MP (4000x3000), 4K 8MP, 5MP, 4MP, 3MP, 1080p, 960p, 720p, D1
Record Rate	Up to 32CH @ 25/30fps (PAL/NTSC)
AI Detection	Person/Vehicle Detection, Intrusion Zones (up to 4 custom zones)
Playback	Smart Search, Smart Playback, Thumbnail View, Local & Remote Playback
Decode Capability	1080p @ 480fps
HD Output	1 x HDMI (4K, 1920×1080 / 1280×1024 / 1280×720 / 1024×768), 1 x VGA (1920×1080 / 1280×720)
Display Split	36CH / 25CH / 17CH / 16CH / 13CH / 10CH / 9CH / 8CH / 6CH / 4CH / 1CH
Digital Zoom	Yes
On-Screen Display	Camera Title, Time, Recording Status, Motion & Event Alerts
Audio Compression	G711U, G711A
Network Interface	1 x RJ45 (10/100/1000Mbps)
Remote Access	iOS / Android App, Web Browsers
Supported Protocols	IPv6, TCP/IP, HTTP(S), FTP, RTSP, DDNS, NTP, UPnP, P2P, Onvif (Profile S/T)
Bandwidth	Incoming: 320Mbps / Outgoing: 160Mbps
PoE Ports	16 x PoE (15W per port, max 200W total), Plug & Play, 200m Extended Mode
Power Supply	DC48V / ≤15W (without HDD & PoE)
HDD Support	2 x SATA HDD (Up to 10TB)
Backup Options	USB Device / Network Storage
USB Ports	1 x USB 2.0 / 1 x USB 3.0
Operating Temp	-10°C to 50°C, 10%–90% humidity
Dimensions	380 x 316 x 51mm
Weight	2.58kg (without HDD)

Rear Panel

What's in the box

- IQCCTV® IQR3216P NVR
- Power Supply
- Quick Start Guide
- Hard Drive Cables
- Hard Drive Mounting Screws
- Mouse

Models

IQR3216P	**32 Channel NVR, 16 PoE Ports, No HDD**
IQR3216P1	32 Channel NVR, 16 PoE Ports, 1TB
IQR3216P2	32 Channel NVR, 16 PoE Ports, 2TB
IQR3216P4	32 Channel NVR, 16 PoE Ports, 4TB
IQR3216P8	32 Channel NVR, 16 PoE Ports, 8TB
IQR3216P10	32 Channel NVR, 16 PoE Ports, 10TB
IQR3216P16	32 Channel NVR, 16 PoE Ports, 16TB
IQR3216P20	32 Channel NVR, 16 PoE Ports, 20TB
IQR3232PS*	**32 Channel NVR, 32 PoE Ports, No HDD**
IQR3232PS1*	32 Channel NVR, 32 PoE Ports, 1TB
IQR3232PS2*	32 Channel NVR, 32 PoE Ports, 2TB
IQR3232PS4*	32 Channel NVR, 32 PoE Ports, 4TB
IQR3232PS8*	32 Channel NVR, 32 PoE Ports, 8TB
IQR3232PS10*	32 Channel NVR, 32 PoE Ports, 10TB
IQR3232PS16*	32 Channel NVR, 32 PoE Ports, 16TB
IQR3232PS20*	32 Channel NVR, 32 PoE Ports, 20TB

Includes 16 Port PoE Switch (NVR + Switch = 32 PoE Ports).