Smart AI | Wide Angle | Colour & IR Night Vision | Active Deterrent | NDAA

❖ Sony® Starvis™ Sensor

❖ 105° Wide View

❖ 30m Colour Night Vision

❖ 40m IR Night Vision

❖ Built-in Microphone

❖ IP67 Weatherproof

Smarter Surveillance, Superior Protection.

Security doesn't have to be complicated. The IQCCTV IQC08DFW delivers high-performance 8MP (4K) surveillance, ensuring sharp clarity, intelligent detection, and enhanced deterrence for your property. Designed for homes, businesses, and commercial spaces, this AI-powered turret dome camera minimises false alarms, maximises coverage, and keeps you connected 24/7.

Features

- **Smart AI Motion Detection**
  Filters out false alarms, alerts only for people & vehicles, ignoring pets and trees.
- **Real-Time Alerts & Playback**
  Instant notifications, snapshot emails, cloud uploads via mobile app (iOS/Android).
- **Ultra HD 4K Resolution**
  Clear 8MP (4K) video for detailed surveillance.
- **Built-In Microphone**
  Clear audio monitoring for added security.
- **Intrusion Detection (AI)**
  Up to 4 custom zones detecting humans & vehicles. Adjustable alerts.
- **Sony® Starvis Sensor**
  Superior low-light imaging for clear night-time surveillance.

- **Dual-Light Night Vision**
  30m full-colour or 40m infrared night vision for clear images in darkness.
- **Active Deterrent**
  Powerful flashing lights deter intruders.
- **PoE Simplicity**
  Single cable for power & data. Easy installation, reliable connection.
- **105° Wide-Angle Lens**
  Eliminates blind spots, perfect for large areas.
- **NVR Integration**
  Plug & play with IQCCTV NVRs. 24/7 recording, remote access, scalable system.
- **IP67 Weatherproof**
  Rugged metal housing for reliable performance outdoors in all weather.

Compliance

UKCA CE FC RoHS Compliant NDAA Compliant PSTI

Specifications

Resolution	4K 8MP (3840x2160, Ultra HD 4K)
Image Sensor	1/2.7" Progressive Scan CMOS (Sony® Starvis™)
Video Compression	H.265 / H.265+ / H.264 / H.264+ / MJPEG
Lens Type	Fixed Lens, 2.8 mm
Viewing Angle	Horizontal FOV 105°
Night Vision	Infrared (IR) up to 40m, Colour (White LED) up to 30m
Minimum Illumination	Colour: 0.01 Lux (F1.6, AGC ON), 0 Lux (White LED); B/W: 0 Lux (IR LED)
Supplemental Lighting	2x Warm White LEDs (4000K), 2x IR LEDs
Electronic Shutter Speed	Auto (1/3 - 1/100,000 sec)
Wide Dynamic Range (WDR)	120dB
Backlight Compensation (BLC)	Supported
Day/Night Operation	True Day/Night with IR Cut Filter
Noise Reduction	3D Digital Noise Reduction (3D DNR)
Image Enhancements	Defog, Highlight Compensation (HLC), Anti-Flicker, Tamper Detection
Privacy Masking	3 Configurable Zones
Video Streams	Main: 3840x2160@20fps, 3200*1800@20fps, 2880*1620@20fps, 1920*1080@30fps, 1280*720@30fps Sub Stream: 1280*720@30fps, 720*480@20/30fps, 352*288@20/30fps
Audio	Built-in Microphone
Smart AI Analytics	Human & Vehicle Intrusion Detection, Human Motion Detection
Intrusion Detection Zones	Up to 4 Customisable Zones
Detection Settings	Adjustable trigger (1–10 seconds)
Motion Detection	Human-specific detection supported
Network Interface	RJ-45 Ethernet (10/100 Base-T)
Power Source	PoE (IEEE 802.3af), 12V DC ±10%
Protocol Support	TCP/IP, IPv4/v6, ICMP, HTTP/HTTPS, FTP, DHCP, DNS/DDNS, RTP/RTSP, SMTP, NTP, UDP, SNMP, QoS, PPPoE, 802.1x
ONVIF Compatibility	ONVIF Profile S/T (19.12)
Housing Material	Metal Housing
IP Rating	IP67
Operating Temperature	-20°C to +60°C (RH95% Max)
Dimensions (W x H)	Ø96mm x 91mm
Weight	430g
Compliance	NDAA, PSTI, CE, UKCA, FCC, ROHS

What's in the box

- IQCCTV® IQC08DFW 8MP (4K) IP Dome Camera
- Drill Template
- Quick Start Guide
- Allen Key
- Mounting Screws and Wall Plugs
- Waterproof Ethernet Connector Set
- DC Socket Cover (for weatherproof cable installation)

Accessories

IQJB01   Junction Box