



Product Features

- ▲ 1/1.8" 4MP CMOS
- ▲ 120dB WDR, 3D DNR, HLC, smart supplementary light
- ▲ Max.2560×1440 @60fps, H.265 coding
- ▲ 2.0 Tops CNN, IVE and video DSP
- ▲ People/vehicles recognition and tracking
- ▲ Four scenario modes: Perimeter, FR, LPR, mixture lanes
- ▲ Smart wiper
- ▲ AC24V; Hi-PoE (optional)
- ▲ IK10, IP67
- ▲ 50°C~+65°C



QVN437Z



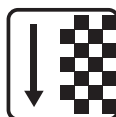
H.265



IP67



WDR



3D DNR



VCA



Smart Tracking



Starvis



IK10

SPECIFICATION

Camera	
Image Sensor	1 / 1.8 "progressive scan CMOS
Min. Illumination	Color: 0.005 lux @F1.5, AGC ON B/W: 0.001 lux @F1.5, AGC ON, 0 lux with laser
Shutter Time	50Hz: 1 / 1 s ~ 1 / 25, 000 s; 60Hz: 1 / 1 s ~ 1 / 30, 000 s
White Balance	Auto/Manual/ATW(Auto-tracking White Balance)/Indoor/Outdoor/ Fluorescent Lamp/Sodium Lamp
Gain	Auto/Manual
Day&Night	ICR cut filter
Digital Zoom	16x
Privacy Mask	24 programmable privacy masks
Focus Mode	Auto/Manual
3D DNR	Auto/Manual
BLC	Yes
HLC	Yes
WDR	120dB
Optical Defog	Yes
EIS	Yes
Regional Exposure	Yes
Regional Focus	Yes

PTZ

Pan Range	360° endless
Pan Speed	Configurable, from 0.1°/s ~ 180°/s; Preset speed: 180°/s
Tilt Range	From -20° to 90° (auto-flip)
Tilt Speed	Configurable, from 0.1°/s to 150°/s; Preset speed: 150°/s
Proportional Zoom	Support
Preset	360
Cruise	8 cruises, up to 32 presets for each cruises
Track	4 tracks, record time over 10 minutes for each track
Power-off Memory	Support
Action Mode	Preset/Cruise/Trace/Auto Scan/Random Scan
3D Positioning	Support
PTZ Position Display	Support
Scheduled Task	Preset/Cruise/Trace/Random Scan/Boundary Scanning

Smart Features

Perimeter Protection	Intrusion, Line crossing, Region Entrance, Region Exiting, Support alarm triggering by specified target types (human and vehicle) Filtering out mistaken alarm caused by target types, such as leaf, light, animal, flag, etc.
Event Detection	Face Capturing, Region Intrusion, Line Crossing, Region Entrance, Region Exiting, Lingering Detection, Crowd Density, Fast Moving Detection, Parking Detection, Object Removal Detection, Unattended Baggage Detection, Audio Exception Detection, Motion Detection, Video Tampering Detection
Smart Tracking	Manual Tracking, Auto Tracking (support tracking specified target types such as human and vehicle), Event Tracking
Smart Record	ANR (Automatic Network Replenishment), smart search
ROI	Eight fixed region for each stream

Laser

Laser Distance	500m
Smart IR	Yes

System Integration

Alarm Interface	7CH alarm input; 2CH alarm output
Audio Interface	1CH audio input, 2 to 2.4v[p-p] 1kΩ±10%; 1CH audio output (line out), impedance: 600Ω
Network Interface	1 RJ45 10M/100M Ethernet; (Hi-PoE optional)
CVBS	Optional
RS 485	Pelco-D / P protocol, custom protocols available
Storage	Built-in memory card slot, support microSD/SDHC/SDXC, up to 256G, ANR
API	ONVIF, support QSee SDK and third-party management platform
Client	QT VIEW2.0 client
Web Browser	IE8-11, Chrome 31.0 to 44, Firefox 30.0 to 51

Network

Max. Resolution	2560×1440
Main Stream	50Hz: 25fps(2560×1440,2048×1536,1920×1080,1280×720) 50fps(2560×1440,2048×1536,1920×1080,1280×720) 60Hz: 30fps(2560×1440,2048×1536,1920×1080,1280×720) 60fps(2560×1440,2048×1536,1920×1080,1280×720)
Sub Stream	50Hz:25fps(704×576,640×480,352×288) 60Hz:30fps(704×576,640×480,352×288)
Third Stream	50Hz:25fps(640×480,480×240,352×288) 60Hz:30fps(640×480,480×240,352×288)
SVC	Yes
Video Compression	H.265 / H.264 / MJPEG
Audio Compression	G.711A/U
Protocols	HTTP, HTTPS, IPv4/IPv6, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE
Simultaneous Live View	Up to 6 channels
User/Host	Up to 16 users, 3 levels: Administrator, Advanced User and Normal User
Security Measures	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption, IEEE802.1x port-based network access control; IP address filtering

General

Power	AC24V5A (Max.75W, including max.18w for laser and max.12w for heater) Hi-PoE(Max.60W, including max.18w for laser and max.12w for heater)
Working Temperature	Outdoor: -50°C~65°C (-58°F~149°F)
Cold-Start Temperature	≥ -40°C(-40°F)
Working Humidity	≤ 90%
Protection Level	IP 67, IK 10, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Material	ADC12, PC, PC+GF
Dimensions	Φ 278mm × 435mm (Φ 10.94" ×17.12")
Weight(net)	Approx. 8.8KG(19.4lb)

Dimensions

