

## 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**



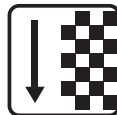
H.265



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<br>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/<br>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)<br>50fps(2560×1440,2048×1536,1920×1080,1280×720)<br>60Hz: 30fps(2560×1440,2048×1536,1920×1080,1280×720)<br>60fps(2560×1440,2048×1536,1920×1080,1280×720) |
| Sub Stream             | 50Hz:25fps(704×576,640×480,352×288)<br>60Hz:30fps(704×576,640×480,352×288)   |
| Third Stream           | 50Hz:25fps(640×480,480×240,352×288)<br>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

