

**HC-IPC-TQA4312L-DZK-2812**



## Product Features :

- ≥ High quality image with 2MP, 1/2.7"CMOS sensor
- ≥ 2MP (1920x1080) @30/25fps; 720P (1280x720) @30/25fps
- ≥ Smart H.265, H.265, H.264, MJPEG
- ≥ 120dB true WDR technology enables clear image in strong light scene
- ≥ Support 9:16 Corridor Mode
- ≥ Smart IR, up to 50m (164ft) IR distance
- ≥ Supports 512 GB Micro SD card
- ≥ Support PoE power supply
- ≥ 3-Axis
- ≥ IP67 Ingress Protection



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## Specifications :

### CAMERA

|                          |                                                           |
|--------------------------|-----------------------------------------------------------|
| Sensor                   | 1/2.7", 2.0 megapixel, progressive scan, CMOS             |
| Min. Illumination        | Colour: 0.003 lux (F1.6, AGC ON) 0 lux with IR on         |
| Day/Night                | IR-cut filter with auto switch (ICR)                      |
| Shutter                  | Auto/Manual, shutter time: 1 ~ 1/100000s                  |
| Adjustment angle         | Pan: 0° ~ 360°, Tilt: 0° ~ 90°, Rotate: 0° ~ 360°         |
| WDR                      | 120dB                                                     |
| S/N                      | > 52dB                                                    |
| Lens                     | 2.8 ~ 12mm, AF automatic focusing and motorized zoom lens |
| Iris                     | Fixed                                                     |
| Angle of view(H)         | 103.6°~33.4°                                              |
| IR Range                 | Up to 50m (164ft)                                         |
| Wavelength               | 850nm                                                     |
| IR On/Off Control        | Auto/Manual                                               |
| Noise Reduction          | 2D/3D DNR                                                 |
| AWB (Auto white balance) | Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2           |
| Defog                    | Digital Defog                                             |

### VIDEO

|                    |                                                                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Compression  | Smart H.265, H.265, H.264, MJPEG                                                                                                                                   |
| H.264 code profile | Baseline profile, Main Profile, High Profile                                                                                                                       |
| Frame Rate         | Main Stream: 2MP (1920x1080), Max 30fps;<br>720P (1280x720), Max 30fps;<br>Sub Stream: 720P (1280x720), Max 30fps;<br>D1 (720x576), Max 30fps; 640x360, Max 30fps; |
| Video Bit Rate     | 128Kbps-6144kbps                                                                                                                                                   |
| Video stream       | Dual Streams                                                                                                                                                       |



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|              |               |
|--------------|---------------|
| HLC          | Supported     |
| BLC          | Supported     |
| Smart Code   | Supported     |
| OSD          | Up to 4 OSDs  |
| ROI          | Support       |
| Privacy Mask | Up to 4 areas |

### SMART

|                      |                                                                                                                                                       |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Intelligent Analysis | Basic Detection: Line Crossing, Intrusion (Based on Human Body Detection), Motion Detection, Smart Motion Detection, Tampering Alarm, Audio Detection |
| General Function     | Watermark, IP Address Filtering, Access Policy, ARP Protection, RTSP Authentication, User Authentication, HTTP Authentication                         |

### AUDIO

|                   |                |
|-------------------|----------------|
| Audio Compression | G.711U, G.711A |
| Audio Bitrate     | 64 Kbps        |
| Suppression       | Supported      |
| Sampling Rate     | 8 KHZ          |

### STORAGE

|                 |                        |
|-----------------|------------------------|
| Edge Storage    | Micro SD, up to 512 GB |
| Network Storage | ANR, NAS (NFS)         |

### NETWORK

|                        |                                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Protocols              | IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SNMP, QoS, RTMP, SSL/TLS |
| Compatible Integration | ONVIF (Profile S, Profile G, Profile T), API, SDK                                                                              |



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### INTERFACE

|              |                                  |
|--------------|----------------------------------|
| Network      | 1 RJ45 10M/100M Base-TX Ethernet |
| Built-in Mic | Supported                        |

### GENERAL

|                        |                                                                     |
|------------------------|---------------------------------------------------------------------|
| Power                  | 12 V DC±25%, PoE (IEEE802.3 af)<br>Power consumption: Max 9.6W      |
| Working Environment    | -30°C ~ 60°C (-22°F ~ 140°F),<br>Humidity: ≤95% RH (non-condensing) |
| Dimensions (L × W × H) | 206 × 73 × 73mm (8.1" × 2.9" × 2.9")                                |
| Weight                 | 0.51kg (1.12lb)                                                     |
| Reset Button           | Supported                                                           |
| Material               | Graphene +Plastic                                                   |
| Surge Protection       | 6KV                                                                 |
| Reset Button           | Supported                                                           |
| Ingress Protection     | IP67                                                                |



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