



# 4MP Light Hunter Intelligent Vandal-resistant Dome Network Camera

DD4I40MZ-V2 PRO



## Key Features



## Optics

- 1/1.8", Powered by light hunter
- Smart IR, up to 40m (131 ft) IR distance
- Up to 120 dB Optical WDR (Wide Dynamic Range)

## Smart

- Automatic selection of best snapshots
- Face recognition, support front-end face recognition comparison, support allowlist and blocklist comparison
- Max supports 100000 faces in face library
- Support human body, human face, motor vehicle and non-motor vehicle image capture and attributes collection.
- People Counting, support tripwire people counting and area people counting
- Smart intrusion Prevention, support false alarm filtering, include Cross Line, Intrusion, Enter Area, Leave Area detection
- Exception Detection and Statistics, include Object Removed, Object Left Behind, Defocus, Scene Change

## Compression

- Ultra 265, H.265, H.264, MJPEG
- Five streams
- 2688\*1520@60fps in the main stream
- ROI (Region of Interest)



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## Network

- ONVIF Conformance

## Structure

- DC12V or AC24V or PoE power supply
- Wide voltage range of  $\pm 25\%$  in AC,  $\pm 25\%$  in DC
- Micro SD, up to 256 GB
- Alarm 1 in and 1 out, Audio 1 in and 1 out
- IP67 ingress protection
- IK10 vandal resistant

## Specifications

|                   |  |               |              |               |                |
|-------------------|--|---------------|--------------|---------------|----------------|
| Camera            | DD4I40MZ-V2 PRO  |               |              |               |                |
| Sensor            | 1/1.8", 4.0 megapixel, progressive scan, CMOS  |               |              |               |                |
| Lens              | 2.8-12mm@F1.2, AF automatic focusing and motorized zoom lens   |               |              |               |                |
| Iris              | Auto aperture  |               |              |               |                |
| DORI Distance     | Lens (mm)  | Detect (m)    | Observe (m)  | Recognize (m) | Identify (m)   |
|                   | 2.8  | 63.0(206.6ft) | 25.2(82.6ft) | 12.6(41.3ft)  | 6.3(20.7ft)    |
|                   | 12   | 270(885.6ft)  | 108(354.2ft) | 54(177.1ft)   | 27(88.6ft)     |
| Field of View (H) | 42.6°~113.7°   |               |              |               |                |
| Field of View (V) | 24.1°~59°  |               |              |               |                |
| Field of View (D) | 48.9°~128.1°   |               |              |               |                |
| Shutter           | Auto/Manual, 1 ~ 1/100000s   |               |              |               |                |
| Adjustment angle  | Pan: 0°~355°   |               | Tilt: 0°~68° |               | Rotate: 0°~355 |
| Min. Illumination | Colour:0.0005lux (F1.2, AGC ON)<br>0 lux with IR   |               |              |               |                |
| WDR               | 120dB  |               |              |               |                |
| Day/Night         | IR-cut filter with auto switch (ICR)   |               |              |               |                |
| S/N               | >56dB  |               |              |               |                |
| IR Range          | Up to 40m (131 ft) IR range  |               |              |               |                |
| Wavelength        | 850nm  |               |              |               |                |
| IR On/Off Control | Auto/Manual  |               |              |               |                |
| Defog             | Digital Defog  |               |              |               |                |
| <b>Video</b>      |  |               |              |               |                |
| Video Compression | Ultra 265, H.265, H.264, MJPEG   |               |              |               |                |
| Frame Rate        | Main Stream: 4MP(2688*1520),Max 60fps; 4MP(2560*1440),Max 60fps; 2MP(1920*1080),Max 60fps;<br>Sub Stream: 2MP (1920*1080), Max 60fps;<br>Third Stream: D1 (720*576), Max 60fps;<br>Forth Stream: D1 (720*576), Max 60fps;<br>Fifth Stream: D1 (720*576), Max 60fps |               |              |               |                |
| Video Bit Rate    | 128 Kbps~16 Mbps   |               |              |               |                |



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|                                    |  |
|------------------------------------|--|
| ROI                                | Supported  |
| Video stream                       | Five streams   |
| OSD                                | Up to 8 OSDs   |
| Privacy Mask                       | Up to 8 areas (8 blacks / 8mosaic)   |
| <b>Image</b>                       |  |
| White Balance                      | Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2  |
| Digital noise reduction            | 2D/3D DNR  |
| Smart IR                           | Support  |
| Flip                               | Normal/Flip Vertical/Flip Horizontal/180°/90°Clockwise/90°Anti-clockwise   |
| HLC                                | Support  |
| BLC                                | Support  |
| <b>Smart</b>                       |  |
| Smart intrusion Prevention         | Support false alarm filtering, Cross Line detection, Intrusion detection, Enter Area detection, Leave Area detection                                 |
| Exception Detection And Statistics | Object Removed, Object Left Behind, Defocus, Scene Change  |
| Object Detection                   | Face capture, support human body and face associated ;<br>Audio detection, Face recognition, Metadata  |
| Face Recognition                   | Max support 16 face libraries<br>Max supports 100000 faces in face library<br>Support monitoring task, blocklist and allowlist comparison            |
| Metadata                           | Support human body, human face, motor vehicle and non-motor vehicle image capture and attributes collection  |
| Statistical Analysis               | People counting, support tripwire people counting and area people counting   |
| General Function                   | Watermark, IP Address Filtering, Tampering Alarm, Alarm input, Alarm output, Access Policy, ARP Protection, RTSP Authentication, User Authentication |
| <b>Audio</b>                       |  |
| Audio Compression                  | G.711U,G.711A  |
| Two way audio                      | Supported  |
| Sampling Rate                      | 8KHZ   |
| <b>Storage</b>                     |  |
| Edge Storage                       | Micro SD, up to 256 GB   |
| Network Storage                    | ANR,NAS(NFS)   |
| <b>Network</b>                     |  |
| Protocols                          | IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP                 |
| Compatible Integration             | ONVIF (Profile S, Profile G, Profile T), API   |
| Client                             | Guard Station  |
| Web Browser                        | Plug-in required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above  |
| <b>Interface</b>                   |  |
| Audio I/O                          | Audio cable  |
|                                    | 1 Input: impedance 35kΩ; amplitude 2V [p-p]  |
|                                    | 1 output: impedance 600Ω; amplitude 2V [p-p]   |
| Alarm I/O                          | 1/1  |
| Network                            | 1 x RJ45 10M/100M/1000M Base-TX Ethernet   |



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| Certification       |  |
|---------------------|--|
| EMC                 | CE-EMC (EN 55032: 2015+A1:2020, EN 61000-3-3: 2013+A1: 2019, EN IEC 61000-3-2: 2019+A1: 2021, EN 55035: 2017+A11:2020)<br>FCC (FCC CFR 47 part15 B, ANSI C63.4-2014) |
| Safety              | CE LVD (EN 62368-1:2014+A11:2017)<br>CB (IEC 62368-1:2014)<br>UL (UL 62368-1, 2nd Ed., Issue Date: 2014-12-01)   |
| Environment         | CE-RoHS (2011/65/EU;(EU)2015/863); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)   |
| Protection          | IP67 (IEC 60529:1989+AMD1:1999+AMD2:2013)<br>IK10 (IEC 62262:2002)   |
| General             |  |
| Power               | AC24V±25%, DC12V(±25%), PoE(IEEE 802.3af)  |
|                     | Power consumption: Max 8W  |
|                     | Support overcurrent protection , Input short circuit protection  |
| Dimensions (Ø x H)  | Ø148 x 111.3mm(Ø5.8" x 4.4")   |
| Net Weight          | 1kg(2.2lb)   |
| Material            | Metal  |
| Working Environment | -40°C ~60°C (-40°F ~ 140°F), Humidity: ≤95% RH (non-condensing)  |
| Storage Environment | -40°C ~70°C (-40°F ~ 158°F), Humidity: ≤95% RH (non-condensing)  |
| Surge protection    | 6KV  |

## Dimensions

