

## 2MP Dome Network Camera

It is applicable to various scenarios, such as cab monitoring, saloon monitoring, and track monitoring. This device is equipped with high-efficiency infrared lights, with a maximum irradiation distance of up to 30 meters, enabling real-time day-and-night monitoring. It is widely used in the CCTV field of the rail transit industry.

- High quality imaging with 2MP resolution
- 2.8/4/6/8mm fixed lens.
- Clear imaging against strong back light based on 120 dB WDR technology.
- Water and dust resistant (IP66) and vandal resistant (IK10).
- Smooth bitstream settings to adapt to different scenarios.



## Technical Parameters

| Items             | Specification                                  |
|-------------------|------------------------------------------------|
| <b>Camera</b>     |                                                |
| Sensor            | 1/2.8" Progressive Scan CMOS                   |
| Min. Illumination | 0.005Lux @ (F1.2, AGC ON), 0 Lux with IR       |
| Shutter Speed     | 1/3 s to 1/100,000 s                           |
| Focal Length      | 2.8mm, 4mm, 6mm, 8mm                           |
| Angle Adjustment  | Pan: -30°~+30°, Tilt: 0°~80°, Rotate: 0°~ 360° |

|                          |                                                                                                                                                                                                                          |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wide Dynamic Range (WDR) | 120 dB                                                                                                                                                                                                                   |
| Day & Night              | IR Cut Filter                                                                                                                                                                                                            |
| FOV                      | 2.8mm: Horizontal: 102°, Vertical: 54°, Diagonal: 118°<br>4mm: Horizontal: 81°, Vertical: 43°, Diagonal: 91°<br>6mm: Horizontal: 49°, Vertical: 27°, Diagonal: 57°<br>8mm: Horizontal: 41°, Vertical: 23°, Diagonal: 46° |

**Video**

|                   |                                                                                                                       |
|-------------------|-----------------------------------------------------------------------------------------------------------------------|
| Max. Resolution   | 1920×1080                                                                                                             |
| Video Compression | H.265 / H.264                                                                                                         |
| H.264 Type        | Baseline Profile/Main Profile/High Profile                                                                            |
| H.265 Type        | Main Profile                                                                                                          |
| Image Settings    | Support rotation mode. Brightness, contrast, saturation and sharpness can be adjusted by browser and client software. |
| Stream Type       | Main stream, Sub-stream                                                                                               |
| Main Stream       | 50Hz: 25fps (1920×1080, 1280×960, 1280×720)<br>60Hz: 30fps (1920×1080, 1280×960, 1280×720)                            |
| Sub-stream        | 50Hz: 25fps (704×576, 640×480, 352×288, 320×240)<br>60Hz: 30fps (704×576, 640×480, 352×288, 320×240)                  |
| Video Bit Rate    | 256 Kbps to 8Mbps                                                                                                     |

**Audio**

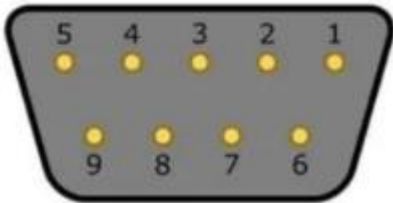
|                     |                                                                   |
|---------------------|-------------------------------------------------------------------|
| Audio Compression   | G.711U, G.711A, G.726, AAC                                        |
| Audio Bit Rate      | 64Kbps (G.711U) / 64Kbps (G.711A) / 16Kbps (G.726) / 16Kbps (AAC) |
| Audio Sampling Rate | 16 kHz                                                            |

**Network**

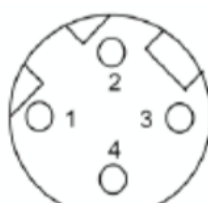
|           |                                                                                               |
|-----------|-----------------------------------------------------------------------------------------------|
| API       | ONVIF (PROFILE S/G/T)                                                                         |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, 802.1X, QoS, IPv6, UDP |

| General                 |                                                          |
|-------------------------|----------------------------------------------------------|
| Protection Level        | IK10 / IP66                                              |
| Operating Conditions    | -30 °C to 75 °C, humidity less than 95% (non-condensing) |
| Communication Interface | DB9 / M12                                                |
| Product Weight          | 450g                                                     |
| Power Supply            | DC12V (9~36V), PoE (802.3af)                             |
| Power                   | 5W Max                                                   |

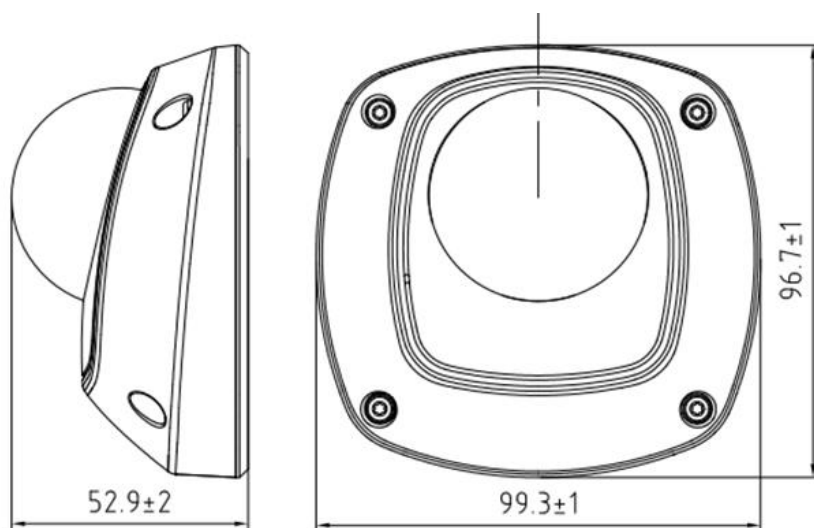
## Interface

| DB9: Ethernet+Power (PoE or independent power supply) |        |                                                                                      |
|-------------------------------------------------------|--------|--------------------------------------------------------------------------------------|
| 1                                                     | RX+    |  |
| 2                                                     | RX-    |                                                                                      |
| 3                                                     | NC     |                                                                                      |
| 4                                                     | TX+    |                                                                                      |
| 5                                                     | TX-    |                                                                                      |
| 6                                                     | NC     |                                                                                      |
| 7                                                     | NC     |                                                                                      |
| 8                                                     | DC12V+ |                                                                                      |
| 9                                                     | DC12V- |                                                                                      |

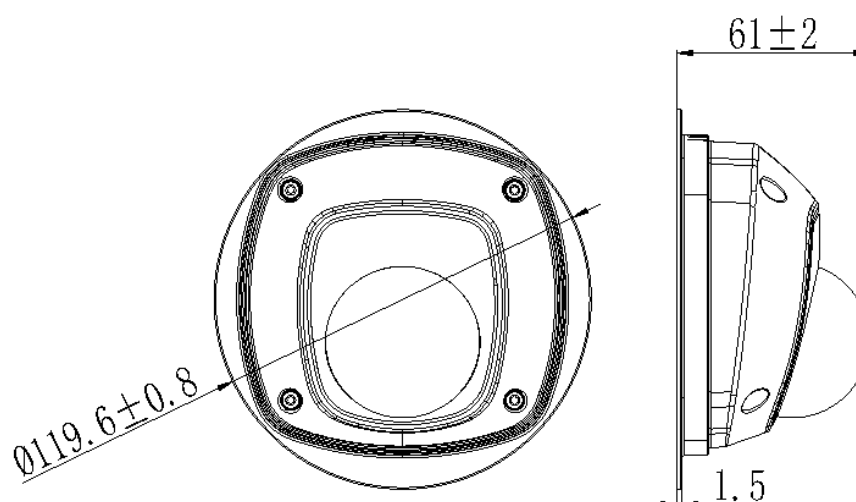
DB9 (Female)

| M12: Ethernet (PoE) |     |                                                                                                               |
|---------------------|-----|---------------------------------------------------------------------------------------------------------------|
| 1                   | TX+ |  <p>D-code M12 (Female)</p> |
| 2                   | RX+ |                                                                                                               |
| 3                   | TX- |                                                                                                               |
| 4                   | RX- |                                                                                                               |

## Dimension



Without installation adapter plate (Unit: mm)



With installation adapter plate (Unit: mm)