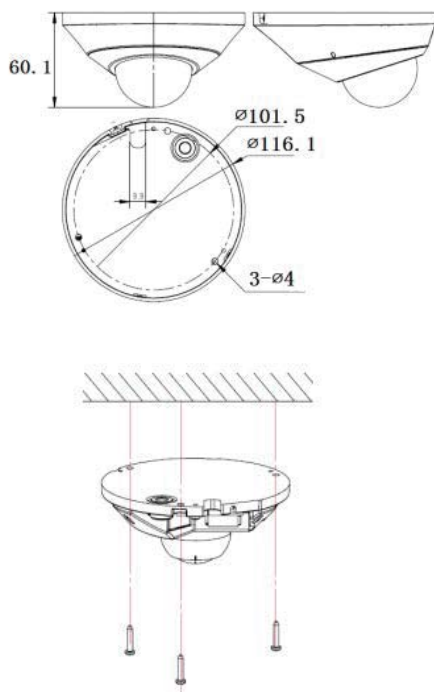




## Features

- Starlight Ultra Low Light 0.002lux
- Up To 1080P, 1920x1080@30fps
- Cable Free Design
- H.265/H.264 HP/MP/BP/M-JPEG Codec
- Min. Illumination Color: 0.002 Lux, B/W: 0.001 Lux, 0 Lux with IR
- VCA Tripwire/Double Tripwire/Perimeter/Object Abandon/Object Lost/Running/Loitering/Parking/Crowd/Audio Abnormal Detection/Video Abnormal Detection
- Smart IR, IR Range: 15m
- Support Wifi
- Interface Built-in Mic, Audio in/out 1/1, Alarm in/out 1/1, MicroSD Card Slot, up to 128GB, Reset Button
- TVS 6000V, Lightning/Surge Protection: (Power 2000V, RJ45 1000V), IK10
- Operating Conditions -35°C ~ 60°C (IR OFF) / -35°C ~ 40°C (IR ON), 0 ~ 95% RHG
- CE, FCC

## Dimensions



|                             |   |
|-----------------------------|---|
| <b>Camera</b>               |   |
| Image Sensor                | 1/2.8" CMOS   |
| Core Processor              | ARM9 Architecture   |
| Operating System            | Embedded Linux  |
| Signal System               | PAL/NTSC  |
| Min. Illumination           | Color: 0.002 Lux @(F1.2, AGC ON)<br>B/W: 0.001Lux @(F1.2, AGC ON); 0 Lux with IR  |
| Shutter Time                | 1s ~ 1/100000s  |
| Lens                        | 2.8mm/4mm, Angle of View: 113.5°/83.3°  |
| Lens Mount                  | φ12   |
| Auto Iris                   | N/A   |
| Day& Night                  | Dual IR Cut Filter with Auto Switch   |
| Wide Dynamic Range          | 140 dB  |
| Digital Noise Reduction     | 3D DNR  |
| <b>Compression Standard</b> |   |
| Video Compression           | H.265/H.264 HP/MP/BP/M-JPEG   |
| Video Bit Rate              | 32Kbps~16Mbps   |
| Audio Compression           | G.711A/G.711U/ADPCM/AAC   |
| Audio Bit Rate              | G711 8KHz, 64kbps   |
| <b>Image</b>                |   |
| Max. Image Resolution       | 1920x1080   |
| Frame Rate                  | 50Hz: 25fps (1920x1080), 25fps (1280 x 960), 50fps (1280 x 720)<br>60Hz: 30fps (1920x1080), 30fps (1280 x 960), 60fps (1280 x 720)<br>Mainstream:1080P(1920x1080) |
| Triple Stream               | Substream:D1(704x576)<br>3rd stream:720P(1280x720)  |
| Image Settings              | Brightness, Saturation, Contrast, Flip Mode Adjustable by Client Software or Web  |
| HLC                         | Y   |
| Smart Defog                 | Y   |
| Corridor                    | Y, Available for 720P and Above   |
| EIS                         | Y   |
| ROI                         | 4 Zones   |
| Privacy Mask                | 4 Zones   |
| Picture Overlay             | 200 x 200, BMP 24bit, Zone Configurable   |
| OSD                         | 16x16, 32x32, 24x24, 48x48, 64x64, 96x96 Size Letters Such as Week, Date,   |
| <b>Network</b>              |   |
| Browser                     | IE8,IE9,IE10,IE11,Firefox24   |
| Network Storage             | FTP   |
| NTP                         | Y   |
| ANR                         | Y, Auto store video in SD card when NVR disconnected, and upload video to NVR   |
| Video Analytics             | Tripwire/Double Tripwire/Perimeter/Object Abandon/Object  |
| Alarm Trigger               | Motion Detection/IP Conflict/MAC Conflict/Port Alarm/Mask Alarm   |
| Protocols                   | IPv4/IPv6/HTTP/802.1x/FTP/SNMP/UPnP/SNMP/DNS/DDNS/NTP/RTSP/TCP/UD   |
| User Permission             | 4 Level/8 Users   |
| Remote Connection           | 5 Users Access at the Same Time   |
| System Compatibility        | ONVIF (Profile S), SDK  |
| <b>Interface</b>            |   |
| Audio Input                 | 1-ch, Built-in Mic  |
| Audio Output                | 1-ch  |
| Communication Interface     | 1-ch RJ45 10M/100M Ethernet Interface   |
| Alarm Input                 | 1-ch  |
| Alarm Output                | 1-ch  |
| Video Output                | N/A   |
| On-board Storage            | MicroSD Slot, Up to 128GB   |
| Reset Button                | Y   |
| Extension                   | N/A   |
| <b>General</b>              |   |
| Language                    | English, Spanish, Korean, Italian, Turkish, Thai, Russian, Traditional Chinese, Simplified  |
| Operating Conditions        | -35°C ~ 60°C (IR OFF) / -35°C ~ 40°C (IR ON), 0 ~ 95% RHG   |
| Power Supply                | DC12 V ± 10%, PoE (802.3af)   |
| Power Consumption           | Max. 5W (IR OFF) (ICR Instant Switch 10W)<br>Max. 8W (IR ON)  |
| Circuit Protection          | TVS 6000V, Lightning/Surge Protection: (Power 2000V, RJ45 1000V)  |
| Impact Protection           | Only for Indoor Installation, IK10  |
| IR Range                    | 15m   |
| IR LEDs                     | 10pcs φ3 IR LEDs  |
| Dimensions                  | 116mmx116mmx60mm  |
| Weight                      | 0.25KG (IP Camera Only); 0.4KG (with Packing Box)   |

\* The latest product information / specification can be found at <http://en.tiandy.com/>

