

# ZTIPD-EGFR8M-AF

- Smart H.265/H.264 coding
- Max.resolution: 8MP ( 3840 × 2160 )
- ICR auto switch, true day / night vision
- 3D DNR, true WDR, HLC, BLC and ROI coding
- 30~50m IR night view distance; Motorized zoom lens
- 1CH audio input; 1CH audio output; 1CH built-in MIC
- 1CH alarm input; 1CH alarm output; 1CH CVBS video output
- Built-in micro SD card slot, up to 256GB
- DC12V/PoE power supply
- Support three streams
- P2P function optional
- IP 67&IK10
- Support mobile surveillance by smart phones with - iOS and Android OS
- Intelligent analytics



H.265



True Day & Night



WDR



AWB



True Day & Night



HLC



BLC



IP67



VCA



Motion Detection



POE



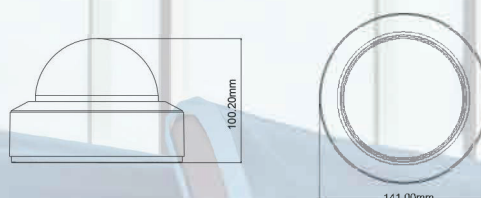
-30 : 60

## SPECIFICATIONS

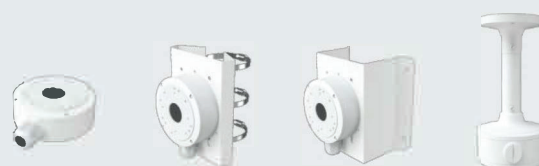
| Model                                       | ZTIPD-EGFR8M-AF                                                                                                                                                                          |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specifications</b>                       |                                                                                                                                                                                          |
| <b>Camera</b>                               |                                                                                                                                                                                          |
| Image Sensor                                | 1 / 2.8" CMOS                                                                                                                                                                            |
| Image Size                                  | 3840×2160                                                                                                                                                                                |
| Electronic Shutter                          | 1 / 25 s ~ 1 / 100000 s                                                                                                                                                                  |
| Iris Type                                   | Auto Iris                                                                                                                                                                                |
| Min. Illumination                           | 0.01 lux@F1.2, AGC ON; 0 lux with IR<br>0.015 lux@F1.4, AGC ON; 0 lux with IR<br>0.005 lux@F1.6, AGC ON; 0 lux with IR                                                                   |
| Lens                                        | 2.8~12mm @F1.4, motorized<br>2.7~13.5mm@F1.6                                                                                                                                             |
| Field of View                               | Horizontal: 96°~32°; Vertical: 64°~18.4°; Diagonal: 103.8°~36.5°                                                                                                                         |
| Lens Mount                                  | Φ 14                                                                                                                                                                                     |
| Day&Night                                   | On , Off , ICR                                                                                                                                                                           |
| Wide Dynamic Range                          | 120dB                                                                                                                                                                                    |
| BLC                                         | Yes                                                                                                                                                                                      |
| Day & Night Switch                          | Auto , Schedule                                                                                                                                                                          |
| S/N (signal-to-noise ratio)                 | ≥ 50 dB                                                                                                                                                                                  |
| HLC                                         | Yes                                                                                                                                                                                      |
| Defog                                       | Yes                                                                                                                                                                                      |
| Digital NR                                  | 3D DNR                                                                                                                                                                                   |
| Angle Adjustment                            | Pan: 0°~345°; Tilt: 0°~77°; Rotation: 0°~345°                                                                                                                                            |
| <b>Image</b>                                |                                                                                                                                                                                          |
| Video Compression                           | Smart H.265 / H.265+ / H.265 / Smart H.264 / H.264+ / H.264 / MJPEG                                                                                                                      |
| H.264 Compression Standard                  | Baseline Profile/Main Profile/High Profile                                                                                                                                               |
| Resolution                                  | 8MP ( 3840 × 2160 ), 6MP( 3072 × 2048 ), 5MP( 2592 × 1944 ), 4MP( 2592 × 1520 ), 2K ( 2560 × 1440 ), 3MP ( 2304 × 1296 ), 1080P ( 1920 × 1080 ), 720P ( 1280 × 720 ), D1, CIF, 480 × 240 |
| Main Stream                                 | 60Hz: 8MP/6MP(1~20fps), 5MP/4MP/2K/3MP/1080P/720P(1~30fps)<br>50Hz: 8MP/6MP(1~20fps), 5MP/4MP/2K/3MP/1080P/720P(1~25fps)<br>HFR Mode: 1080P/720P(60Hz: 1~60fps; 50Hz: 1~50fps)           |
| Sub Stream                                  | 720P/D1/CIF/480 × 240 (60Hz: 1~30fps; 50Hz: 1~25fps)                                                                                                                                     |
| Third Stream                                | D1/CIF/480 × 240 (60Hz: 1~30fps; 50Hz: 1~25fps)                                                                                                                                          |
| Bit Rate                                    | 64 Kbps ~ 12 Mbps                                                                                                                                                                        |
| Bit Rate Type                               | VBR / CBR                                                                                                                                                                                |
| Audio Compression                           | G711A/ U                                                                                                                                                                                 |
| Image Settings                              | ROI, Saturation, Brightness, Chroma, Contrast, Wide Dynamic, Sharpen, NR, etc. adjustable through client software or web browser                                                         |
| ROI                                         | Each ROI to be configured separately                                                                                                                                                     |
| <b>Intelligent Analytics (Smart Events)</b> |                                                                                                                                                                                          |
| Perimeter Protection                        | Line crossing, region entrance/exiting/intrusion (human/motor vehicle/non-motor vehicle classification)                                                                                  |
| Target Counting                             | Line crossing human/motor vehicle/non-motor vehicle counting                                                                                                                             |
| Exception Detection                         | Scene change, video blur and video color cast detection                                                                                                                                  |
| Face Detection                              | Face detection and face capture                                                                                                                                                          |
| General Intelligence                        | Crowd density detection, heat map, object abandoned/missing detection*                                                                                                                   |
| <b>Interfaces</b>                           |                                                                                                                                                                                          |
| Network                                     | 1x 10, 100 Base T, TX Poe (RJ-45)                                                                                                                                                        |
| Video Output                                | CVBS output (BNC×1)                                                                                                                                                                      |
| Audio                                       | 1CH audio input; 1CH audio output; 1CH built-in MIC                                                                                                                                      |
| Storage                                     | Built-in micro SD card slot; up to 256GB                                                                                                                                                 |
| Reset                                       | Yes                                                                                                                                                                                      |
| Alarm                                       | 1CH alarm input; 1CH alarm output                                                                                                                                                        |
| <b>Functions</b>                            |                                                                                                                                                                                          |
| Remote Monitoring                           | Web browsing, CMS remote control                                                                                                                                                         |
| Online Connection zoom lens                 | Support simultaneous monitoring for up to 10 users;<br>Support multi-stream real time transmission                                                                                       |
| Network Protocol                            | TCP/IP, ICMP, HTTP, RTP, NTP, IGMP, UDP, IPv4, IPv6, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP, SNMP, 802.1x, UPnP, HTTPs, QoS                                                             |
| Interface Protocol                          | ONVIF Profile S, T, and G Profiles                                                                                                                                                       |
| Storage                                     | Network remote storage; micro SD card storage                                                                                                                                            |
| Smart Alarm                                 | Motion detection; sensor alarm, SD card error; SD card full, IP address conflict, cable disconnection                                                                                    |

|                          |                                                                                                                |
|--------------------------|----------------------------------------------------------------------------------------------------------------|
| General Function         | Watermark, IP address filtering, video mask, heartbeat, password protection, image distortion correction, etc. |
| IR Distance              | Up to 50 Meter Smart IR                                                                                        |
| Protection Grade         | IP 67&IK10                                                                                                     |
| PoE                      | Yes (IEEE802.3af)                                                                                              |
| <b>Others</b>            |                                                                                                                |
| Power Supply             | DC12V/PoE                                                                                                      |
| Power Consumption        | < 10.5W                                                                                                        |
| Operating Environment    | - 30 °C ~ 60 °C (-22°F~140°F)<br>Humidity: less than 95 % (non-condensing)                                     |
| Dimensions ( mm )        | Φ 141 × 100.2                                                                                                  |
| Weight ( net )           | Approx. 0.89KG                                                                                                 |
| Installation             | Ceiling mounting; Wall mounting                                                                                |
| Certificate              | CE, FCC                                                                                                        |
| Environmental Protection | Complies with Directive EU RoHS, WEEE(2012/19/EU), directive 94/62/EC and REACH( EC1907/2006)                  |

## DIMENSIONS



## AVAILABLE ACCESSORIES



## AVAILABLE MODEL

\*All pictures and specifications are for reference only and are subject to change without prior notice.