

## 4MP LPR Bullet Camera (PoE H.265 IR (warm light)) PKC2641-Z28-(IR)-P



## Features

- 1/1.8" progressive scan CMOS.
- Up to 2688 × 1520 resolution with real-time video.
- Supports Wise-ISP for enhanced image quality.
- Automatic gain control, white balance, and WDR for various light conditions.
- Video frame rate upgraded to 60 fps.
- Built-in vehicle and license plate recognition algorithm can recognize standard license plates of multiple countries.
- Supports plate allowlist and blocklist configuration.
- Supports Micro SD cards of up to 512GB.
- IP67 and IK10 protection.

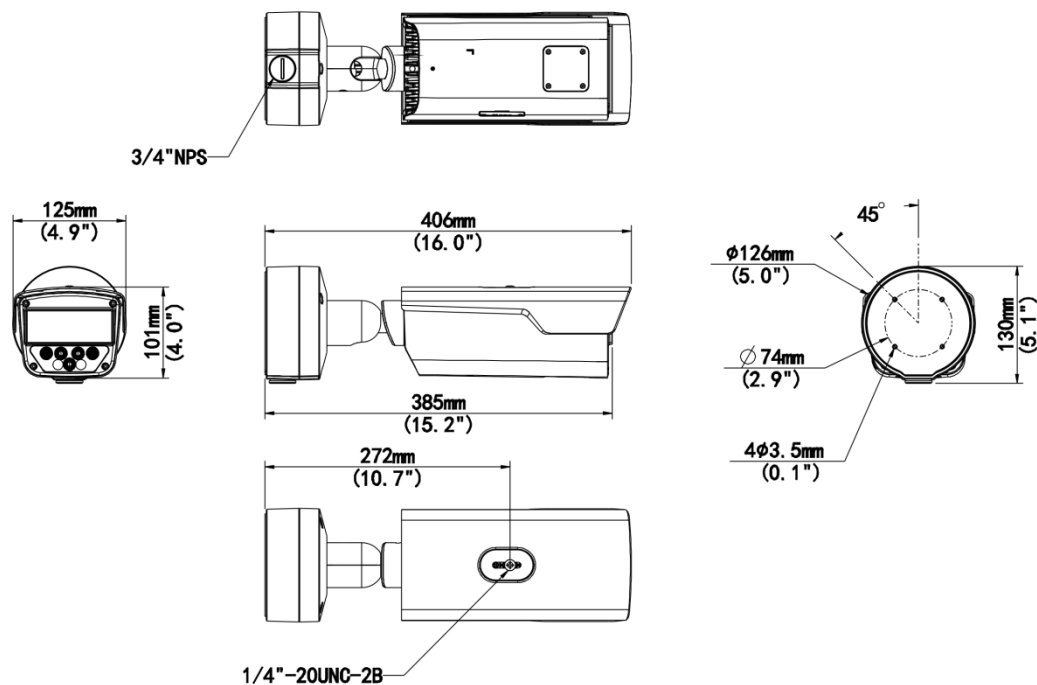
## Specifications

| Model                            | PKC2641-Z28-P                                                                                                                                                                                                         | PKC2641-Z28-IR-P |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Camera                           |                                                                                                                                                                                                                       |                  |
| Sensor                           | 1/1.8-inch 4MP CMOS                                                                                                                                                                                                   |                  |
| Focal length                     | 2.8 to 12mm                                                                                                                                                                                                           |                  |
| Shutter                          | Auto, range: 1/200 to 1/100000s                                                                                                                                                                                       |                  |
| Minimum illumination             | 0.0005lux (F1.4)                                                                                                                                                                                                      |                  |
| FOV                              | Horizontal FOV: 106.4° to 50.3°,<br>Vertical FOV: 57.1° to 27.8°,<br>Diagonal FOV: 127.4° to 57.3°                                                                                                                    |                  |
| WDR                              | 120 dB                                                                                                                                                                                                                |                  |
| S/N                              | > 50 dB                                                                                                                                                                                                               |                  |
| Image                            |                                                                                                                                                                                                                       |                  |
| Image collection format          | 2688*1520@60,2688*1520@50,2688*1520@30 (default),2688*1520@25                                                                                                                                                         |                  |
| Frame rate                       | 60, 50, 30 (default), 25, 22, 20, 18, 16, 15, 12.5, 10, 8, 6, 5, 4, 3, 2, 1                                                                                                                                           |                  |
| Video compression                | H.264 (default), H.265                                                                                                                                                                                                |                  |
| ROI                              | Supports up to 8 regions                                                                                                                                                                                              |                  |
| HLC                              | Support                                                                                                                                                                                                               |                  |
| BLC                              | Support                                                                                                                                                                                                               |                  |
| Defog                            | Digital defog                                                                                                                                                                                                         |                  |
| Digital Noise Reduction          | 3D DNR                                                                                                                                                                                                                |                  |
| Video OSD                        | Supports 8 overlay areas and allows contents including date, time, date&time, zoom ratio, custom contents                                                                                                             |                  |
| Image OSD                        | Supports 8 overlay areas and allows contents including time, license plate number, device ID, camera ID, allowlist, image authentication ID, custom contents (3 items), location                                      |                  |
| Display Parameters               |                                                                                                                                                                                                                       |                  |
| Resolution                       | Main stream: 2688*1520, 1080P (default), 720P, D1; Sub stream: 720P (default), D1, 2CIF, CIF; Third stream: D1 (default), 2CIF, CIF                                                                                   |                  |
| Smart                            |                                                                                                                                                                                                                       |                  |
| Application scenario             | ≤ 30km/h for entrances and exits, ≤ 80km/h for regular roads;<br>Supports simultaneous application to road and entry/exit scenes without switching                                                                    |                  |
| Vehicle detection mode           | Supports video detection                                                                                                                                                                                              |                  |
| License plate number recognition | Supports recognition of license plates with numbers and letters by default                                                                                                                                            |                  |
| List configuration               | Supports allowlist and blocklist configuration, each list allows 20,000 items<br>Supports import, export, add, and delete operations                                                                                  |                  |
| Barrier opening policy           | Open barrier only for the recognized vehicles<br>Open barrier for all vehicles<br>Open barrier only for vehicles on the allowlist<br>Open barrier for vehicles not on the blocklist<br>Configurable Boolean output ID |                  |
| Country and Region               | United States, Canada, Saudi Arabia, United Arab Emirates, Qatar, Singapore, Malaysia,                                                                                                                                |                  |

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                   |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Supported                        | Indonesia, Vietnam, Thailand, India, Bangladesh, Cambodia, South Korea, Kyrgyzstan, Tajikistan, Kazakhstan, Uzbekistan, Turkmenistan, Egypt, Tunisia, Brazil, Argentina, Mexico, Finland, Estonia, Latvia, Lithuania, Poland, France, Spain, Portugal, Germany, United Kingdom, Ireland, Bulgaria, Romania, Hungary, Serbia, Bosnia and Herzegovina, Greece, Croatia, Italy, Netherlands, Sweden, Belgium, Austria, Norway, Denmark, Slovenia, Czechia, Slovakia, New Zealand, Australia, Philippines, Nepal, Israel, Albania, Moldova, Turkey, Switzerland, Georgia, Bahrain, Morocco                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                   |
| Intelligent                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                   |
| Vehicle Type Recognition         | Car/Van/Large Bus/Medium Bus/Heavy Truck/Light Truck/SUV/MPV/Pickup/Motorcycle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                   |
| Vehicle Color Recognition        | Red, Yellow, green, blue, purple, pink, brown, white, Grey, black, silver, orange                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                   |
| Vehicle Manufacturer Recognition | 133 Manufacturers: Audi, ALFA ROMEO, AION, ANKAI, ACURA, Aston Martin, ARCFOX, BYD, BUICK, BENTLEY, BMW, BAIC MOTOR, BUGATTI, BORGWARD, Beiben Truck, Besturn, CHANGAN, Citroën, Cadillac, CHERY, CHRYSLER, Chevrolet, CHTC, DONGFENG, DACIA, Daihatsu, DATSUN, DODGE, DS, DAEWOO, Dongnan, EXEED, FAW, Ford, FORLAND, Ferrari, FIAT, Foton, GEELY, GAC, GREAT WALL, GMC, Geometry, HONDA, HYUNDAI, HIGER, Hino, Hong Qi, Haval, Haima, INFINITI, Isuzu, IVECO, IM, JAC, JEEP, JAGUAR, JOYLONG, JMC, JETTA, JETOUR, KIA, Karry, King Long, KMULLER, LYNK&CO, LINCOLN, LEXUS, LOTUS, LANDWIND, LANDROVER, LAMBORGHINI, LIFAN, LEVC, LUXGEN, LEOPARD, LADA, LUMMA, LI AUTO, LEAPMOTOR, Mercedes-Benz, MINI, MAZDA, McLaren, MASERATI, MAN, MG, MITSUBISHI, MAXUS, MORGAN, MUSTANG, MODERN AUTO, NISSAN, NIO, OPEL, ORA, OUSHANG, PEUGEOT, PORSCHE, Polestar, QOROS, Roewe, ROLLS ROYCE, RENAULT, SINOTRUK, SXACT, SKODA, SSANGYONG, SMART, SUZUKI, SUBARU, SAAB, SCANIA, SEAT, SWM, SANY, SILVER, SKYWORTH, TOYOTA, TESLA, TANK, Volkswagen, VOLVO, VOYAH, Wuling, WEY, XCMG, Xiaopeng Motors, XINYUAN, YUTONG, ZHONGTONG, ZOTYE, ZEEKER, ZHONGHUA, ZHINUO |                                                                                                                   |
| Storage                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                   |
| Edge storage                     | Supports ANR with a Micro SD card, up to 512GB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                   |
| Structure                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                   |
| Illumination                     | Built-in integrated illumination module, including 4 warm light LEDs, 50m illumination distance, automatic on/off control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Built-in integrated illumination module, including 4 IR LEDs, 50m illumination distance, automatic on/off control |
| Bracket                          | 3-axis mounting bracket                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                   |
| Junction box                     | The camera comes with a junction box for storing tail cable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                   |
| Network                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                   |
| Protocols                        | IGMP,IPv6,ICMP,ARP,TCP,UDP,DHCP,PPPoE,RTSP,DNS,DDNS,NTP,UPnP,HTTP,HTTPS,802.1x,SNMP,QoS,SSL/TLS,SSH,IPv4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                   |
| Compatible Integration           | ONVIF (Profile S, Profile G, Profile T),SDK, API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                   |
| Interface                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                   |
| Network interface                | 1×10M/100M RJ45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                   |
| Serial port                      | 2 × RS485                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                   |
| Boolean output                   | 2 relay outputs, withstand voltage: AC 125V/0.3A, DC 30V/1A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                   |
| Boolean input                    | 2 x input, supports level (up to DC 5V) and switch signal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                   |
| Audio interface                  | 1 × audio input, 1 × audio output                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                   |
| Storage interface                | 1 × Micro SD card slot                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                   |

|                        |                                                                                                                                                                                 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reset button           | Support                                                                                                                                                                         |
| Hardware Specification |                                                                                                                                                                                 |
| Wiegand Interface      | Supports Wiegand output                                                                                                                                                         |
| General                |                                                                                                                                                                                 |
| Weight                 | 1.87kg                                                                                                                                                                          |
| Ingress protection     | IP67, IK10                                                                                                                                                                      |
| Power supply           | DC12V + 25% - 25%<br>Max. power consumption: 20W<br>Supports PoE (802.3at, class 4)                                                                                             |
| Dimensions (L×W×H)     | 406mm x 126mm x 130mm                                                                                                                                                           |
| Operating environment  | -40°C to 60°C, ≤90% RH                                                                                                                                                          |
| Heater                 | N/A                                                                                                                                                                             |
| Compliance             |                                                                                                                                                                                 |
| NDAA Compliant         | Support                                                                                                                                                                         |
| Certification          |                                                                                                                                                                                 |
| EMC                    | CE-EMC (EN 55032:2015+A11:2020+A1:2020, EN 61000-3-3:2013+A1:2019+A2:2021, EN IEC 61000-3-2:2019+A1:2021, EN 50130-4:2011+A1:2014)<br>FCC(FCC CFR 47 part15 B, ANSI C63.4 2014) |
| Safety                 | EN IEC 62368-1:2020+A11:2020<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)                                                                                                                             |
| Protection             | IP67(IEC60529:1989+AMD1:1999+AMD2:2013)<br>IK10(IEC 62262:2002+AMD1:2021)                                                                                                       |

## Dimensions



## Accessories

### TR-UP06-C-IN

Pole Mounting Bracket for Bullet Junction

Box Only



### TR-UP06-C-IN-V2

Pole Mounting Bracket for Bullet Junction

Box Only



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