



2MP ANPR Starlight Network Bullet Camera (4.7 to 47mm)

HC121@TS8C-Z

SKU: 129264

The HC121 series is mainly used to recognize vehicle license plates on roads of the entrance/exit of parks. With an intelligent illumination system, it can detect, recognize and capture vehicles in all weather conditions. It features high vehicle capture rate and high plate recognition accuracy.

Features

Optics

- Starlight optical sensor and integrated illuminator for vehicle capture and recognition in low-light environments.
- 4 LED illumination beads provide up to 50m illumination.
- 2MP industrial-grade sensor delivers 1920 x 1080 images.
- Motorized zoom lens enables flexible focal length adjustment and easy installation.
- Automatic gain control, white balance, and WDR for various light conditions.

Compression

- Up to 1080P@60fps image collection format.
- 1 image stream, 3 video streams.
- Up to 1080P@60fps live video streams.
- Advanced H.265 encoding technology improves compression efficiency.
- Custom OSD allows various vehicle information to be overlaid on the video image.

Functions

- Built-in vehicle&license plate recognition algorithm can recognize standard license plates of multiple countries.
- Supports capturing vehicle head only.
- Supports allowlist and blacklist configuration.
- Supports vehicle access control when connected to a barrier.
- Supports Micro SD cards of up to 128GB.
- Supports Automatic Network Replenishment (ANR), the camera can automatically store video to its SD card in case of network disconnection.
- Supports audio acquisition and intercom.

Network

- Network auto-adaptability ensures fluent live video in relatively bad network conditions such as packet loss.
- Supports SNMP.
- Supports UNP for NAT traversal between public and private networks.
- Supports integration by the third party via SDK or HTTP.

Network Security

- Supports authorized user access by password. Weak password detection and account lock-up when failed login attempts reach the upper limit enhance password security.
- Supports HTTPS.
- RTSP authentication prevents unauthorized video stream requests.
- IP address filtering prevents illegal access from untrusted IP addresses.
- Gateway ARP protection prevents MAC address spoofing.

Structure

- Supports DC 12V, and PoE (802.3at) power supplies.
- Cast aluminum body offers excellent heat dissipation.
- 3-axis mounting bracket for various installation scenarios.
- Junction box for cabling.
- IP67, IK10.

Camera Description Sensor 1/2.8" 2MP CMOS Focal length 7 to 47mm, motorized zoom Shutter Auto/Manual, range: 1/25 to 1/100000 s Minimum illumination 0.01lux (F1.6) Image Description Image collection format 1080P@25 (default), 1080P@30, 1080P@50, 1080P@60 Resolution Main stream: 1080P (default), 720P, D1 Sub stream: 720P (default), D1, 2CIF, CIF Third stream: D1 (default), 2CIF, CIF Frame rate 60, 50, 30, 25 (default), 22, 20, 18, 16, 15, 12.5, 10, 8, 6, 5, 4, 3, 2, 1 Video compression 264 (default), H.265 ROI Supports up to 8 regions 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 Smart Description Application scenario Vehicle speed ≤ 30 km/h Supports simultaneous application to entry/exit scenes Vehicle detection mode Video (default) or inductive loop Capture vehicle head only Support License plate number recognition Supports recognition of license plates with numbers and letters by default List configuration Supports allowlist and blacklist configuration, each list allows 20,000 items Supports import, export, add, and delete operations Barrier opening policy Open barrier only for the recognized vehicles Open barrier for all vehicles Open barrier only for vehicles on the allowlist Open barrier for vehicles not on the blacklist Configurable Boolean output ID Storage Description Edge storage Supports ANR with a Micro SD card, up to 128GB Structure Description Illumination Built-in integrated illumination module, including 4 white light LEDs, 50m illumination distance, automatic on/off control Sunshield Long sunshield Bracket 3-axis mounting bracket Junction box: The camera comes with a junction box for storing tail cable Interface Description Network interface: 1 x 10M/100M RJ45 Serial port: 1 x RS485 Boolean output 1 relay output, withstand voltage: AC 125V/0.3A, DC 30V/1A Boolean input 2 inputs, supports level/Boolean, with max level up to DC 5V Audio interface 1 x audio input, 1 x audio output Storage interface: 1 x Micro SD card slot General Description Power supply DC12V + 25% - 10% power consumption: 20W Supports PoE (802.3at, class 4) Dimensions (LxWxH) 386mm x 126mm x 130mm Weight 2kg Operating environment -40? to 60?, $\leq 90\%$ RH Ingress protection IP67, IK10