

# CP-UNC-TG121ZL6-VM

## 12MP AI IR Network Bullet Camera

- 1/1.7" 12MP PS CMOS Image Sensor (1.494cm)
- Max. outputs 12MP(4000 × 3000)@25/30fps
- Instastream/H.265/Smart H.264+/H.264 coding
- Five streams for three-channel HD video
- DWDR, Day/Night (ICR), 3D-DNR, Defog, ROI, AWB, AGC, BLC, HLC
- 2.7mm ~ 12mm Motorized lens
- IR Range of 60Mtrs, IP67, IK10, Micro SD Card, ePoE, PoE+
- Perimeter Protection, Face Detection, Video Metadata, People Counting, Queue Management
- Mobile Software: iCMOB, gCMOB
- CMS Software: KVMS Pro



### System Overview

Understanding the need of the hour in the security and surveillance industry, this series has been integrated with the starlight technology along with efficient and powerful deep-learning algorithms to make your life hugely easier. The numerous AI-based smart functions of this camera let you capture a face, protect the perimeter and even count people, greatly improving the accuracy of your video analysis. This camera also complies with international certification standards such as IP67 and IK10, as this camera is not just dust-proof and water-proof but also shock-proof and vandal-proof (which is given in selected models).

### Functions

#### Face Detection

With the help of the deep learning algorithm that is used in this technology, people can easily be detected, tracked, recorded, and captured. It takes only a second to detect one human face. Face detection is useful in cameras to help with auto-focus. This technology is mainly used to identify the presence of a human face.



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### Functions

#### Smart Analytical Support

Using an advanced algorithm, smart analytical technology lets you set a multitude of safety parameters and sends you alerts when any of those parameters have been compromised. Not just when there's an occurrence of tripwire or intrusion, but also in the cases of missing or abandoned objects.

#### Instastream

This camera has been designed with the latest and most efficient innovation among the standard video compression designs. Smart encoding algorithms developed by CP PLUS help in saving up to 70% more bandwidth than H.265 along with making it more beneficial for minimizing bandwidth and storage costs. It enhances video coding efficiency while providing high resolution and the rate of frame in the video using Intelligent Region Perception to detect motion in each frame.

#### Health Monitoring System (HMS)

The Health Monitoring System by CP PLUS provides a real-time health status of your surveillance devices as it enables instant reporting of live incidents and reduces system down-time since issues are detected and rectified at the onset and provides daily system support as well as live status web page view.

#### IK10 Technology

This product has been inculcated with the IK10 vandal resistance technology which is the topmost mechanical protection in the surveillance industry. This technology enables your camera in developing a strong and robust appearance that can't be defeated by water, dust or even severe shocks as the powerful housing of this camera deters any damage from occurring.

#### gCMOB/ iCMOB

Designed to allow users to access and control live streaming from CP PLUS IP Cameras, DVRs/ NVRs and Video Door Phones, the CP PLUS gCMOB/ iCMOB application offers a host of features such as Easy GUI, up to 16 live viewing split-ups; InstaOn cloud support; Playback; digital zoom ins; two-way talk, and more.

#### KVMS Pro

The KVMS Pro is a hybrid security management software that allows the management of various surveillance devices such as cameras, DVRs/ NVRs, encoders/ decoders, etc. It is released with the surveillance hardware and exclusively supports CP PLUS devices.

### About CP PLUS

The brand that is on its way to lead the world when it comes to the security and surveillance industry, CP PLUS, keeps bombarding the market with the most reliable range of products that have been designed carefully and methodically to automate the whole surveillance and security process, no matter how big your premises are.

It was the initiative to help the public in the area where they are the most vulnerable and to empower the sense of safety in our hearts that had conceptualized CP PLUS. And embarking on its mission to make the world a safer and more secure place has taken the brand's journey to unprecedented levels even when compared to international competitors.



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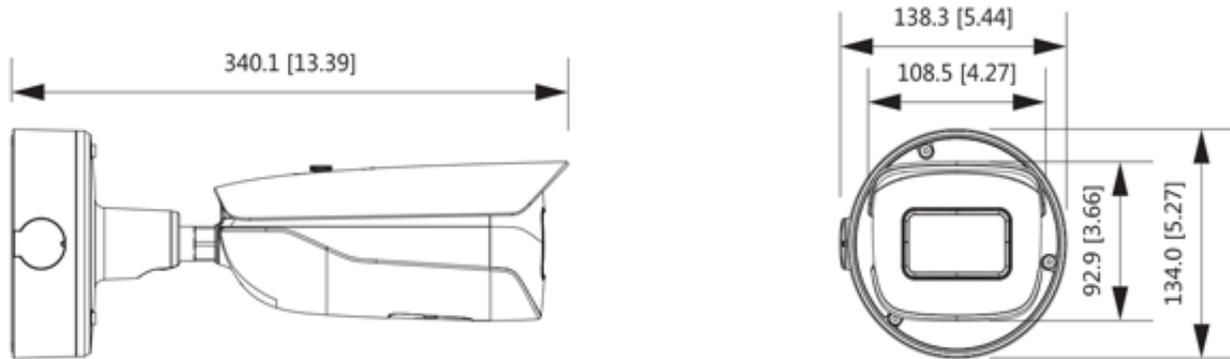
## 12MP AI IR Network Bullet Camera

| Feature              | Specification  |
|----------------------|--|
| Image Sensor         | 1/1.7"12Megapixel progressive CMOS (1.494cm)   |
| Effective Pixels     | 4000 (H) × 3000 (V)  |
| RAM                  | 2GB  |
| ROM                  | 4GB  |
| Minimum Illumination | 0.01 Lux@F1.8 (Color,30IRE) 0.001 Lux@F1.8 (B/W,30IRE) 0 Lux (Illuminator on)  |
| Shutter Speed        | Auto/Manual, 1/3~1/100000s   |
| White Balance        | Auto/natural/street lamp/outdoor/manual/regional custom  |
| Lens                 | 2.7~12mm Motorized Lens  |
| Gain Control (AGC)   | Auto/Manual  |
| S/N Ratio            | >56dB  |
| Bit Rate Control     | CBR/VBR  |
| Iris Type            | Auto   |
| Mount Type           | φ14  |
| Close Focus Distance | 1.2m   |
| Max. Aperture        | F1.8   |
| Lens Type            | Motorized  |
| DORI Distance        | W: 93m (Detect) 37m (Observe) 18m (Recognize) 9m (Identify)<br>T: 205m (Detect) 82m (Observe) 41m (Recognize) 20m (Detect)   |
| Angle of View        | Horizontal: 103°-44° Vertical: 75°-33° Diagonal: 135°-55°  |
| Video Compression    | H.265, Smart H.264+, H.264, H.264H, H.264B, MJPEG (only supported by sub stream)   |
| Encode Strategy      | Instastream  |
| Video Streaming      | Main stream: 4000 × 3000 @1-25/30fps; Sub stream: 704 × 576@1-25fps, 704 × 480@1-30fps<br>Third stream: 1920 × 1080 @1-25/30fps; Fourth stream: 1920 × 1080 @1-25/30fps<br>Fifth stream: 704 × 576 @1-25fps; 704 × 480 @1-30fps  |
| Resolution           | 12M (4000 × 3000); 8M (3840 × 2160); 6M (3072 × 2048); 5M (3072 × 1728); 5M (2592 × 1944); 4M(2688 × 1520); 3M (2048 × 1536); 3M (2304 × 1296); 2M (1920 × 1080); 1.3M (1280 × 960); 720P (1280 × 720); D1 (704 × 576/704 × 480); CIF (352 × 288/352 × 240); VGA (640 × 480) |

| Feature                 | Specification   |
|-------------------------|---|
| Back Light Compensation | BLC/ HLC/ DWDR  |
| Motion detection        | OFF/ON (4 areas, rectangular)   |
| Privacy Mask            | 4 areas   |
| ICR                     | Auto (ICR)/Color/B/W  |
| ROI                     | Yes (4 areas)   |
| Audio Input             | 1 Ch. (3.5mm JACK port)   |
| Audio Output            | 1 Ch. (3.5mm JACK port)   |
| Audio Compression       | G.711a; G.711Mu; G726; G.723  |
| Alarm IN                | 3 channel In: 5mA 3V–5V DC  |
| Alarm Out               | 2 channel Out: 1000mA 30V DC/500mA 50V AC   |
| Face Detection          | Face detection, track, priority, snapshot, Upload Optimized snapshot picture; face enhance-ment, face exposure, face attribute extract, 6 attributes and 8 expressions: Gender, age, glasses, expressions (anger, sadness, disgust, fear, surprise, calm, happiness and confusion), Mouth mask, beard; Face matting setting: face, single inch photo Three snapshot; methods: real-time snapshot, priority snapshot, quality priority; Face angle filter Priority time setting; Support Duration Optimal, Non-living Filtering  |
| People Counting         | Support tripwire number counting, people counting in area, and displaying and outputting yearly/monthly/daily reports. Support queue management, and displaying and outputting monthly/daily reports. Support 4 tripwire rules configuration, people counting in 4 areas, and 4 queue management functions.   |
| Bit Rate                | H.264: 32 kbps–16384 kbps ; H.265: 32 kbps–14080 kbps   |
| Image Rotation          | 0°/90°/180°/270° (Support 90°/270° with 1080P resolution and lower)   |
| Video Metadata          | Vehicle detection, non-motor vehicle detection, face detection, human body detection, track, optimization, snapshot, report high quality picture, vehicle attributes (license plate, vehicle type, vehicle color, and vehicle brand), other attributes (sun visor, seatbelt, smoking, phoning, in-car accessories, and annual vehicle inspection mark), non-motor vehicle attributes (vehicle type, vehicle color, hat, driver number, cloth type, and cloth color), personnel attribute (cloth type, trousers type, cloth color, trousers color, knapsack, hat, gender and umbrella), face attribute (gender, age, expression, glasses, mask, and beard) |
| Alarm Event             | No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; mo-tion detection; video tampering; tripwire; intrusion; fast moving; abandoned object; missing object; loitering detection; people gathering; parking detection; scene changing; audio detec-tion; defocus detection; external alarm; face detection; people counting in area; stay alarm; people counting; people counting exception detection; safety exception, Queue Management   |

| Feature                              | Specification  |
|--------------------------------------|--|
| Protocol                             | IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; 802.1x; SNMP; Bonjour ; ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; InstaOn; RTMP |
| Smart Detection                      | Abandoned object, moving object  |
| Perimeter Protection                 | Tripwire, intrusion, fast moving (the three functions support the classification and accurate detection of vehicle and human); parking detection, loitering detection, and people gathering.   |
| Intelligent Search                   | Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos.   |
| OTA (Online Device Upgrade)          | Support  |
| Cloud Health Monitoring System (HMS) | Support  |
| Ethernet                             | RJ-45 (10/100/1000 Base-T)   |
| User Account                         | 20 (Total bandwidth: 240M)   |
| Interface Ports                      | 1 RS-485 (baud rate range: 1200 bps-115200 bps)  |
| IR                                   | IR Range of 60 Mtr., Smart IR  |
| Smart Phone                          | iPhone, iPad, Android Phone  |
| Micro SD                             | FTP; Micro SD card (256 GB); NAS; SFTP   |
| SDK and API                          | Yes  |
| Scene Self-adaptation                | Yes  |
| Cyber Security                       | Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lock-out; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade       |
| Operating Temperature                | -40°C to +60°C (-40°F to +140°F), /Less than 95% RH  |
| Power Source                         | 12V DC/24V AC/PoE+ (802.3at), ePoE, max. current 165mA   |
| Power Consumption                    | Basic power consumption: 4.9W (12V DC); 6.53W (24V AC active power); 6.3W (PoE)  |
| Browser                              | IE: IE9 and later, Chrome: Chrome 42 and later, Firefox: Firefox 48.0.2 and later  |
| Weatherproof Standard                | IP67 & IK10  |
| Dimension                            | 340.1 mm × 138.3 mm × 134 mm (13.39" × 5.44" × 5.28") (L × W × H)  |
| Casing                               | Metal + Plastic  |
| Weight                               | 1600g  |

Dimensions (mm/inch)



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