

CP-UNC-TG41ZL12-VMDF

4MP AI IR Network Bullet Camera

- 1/1.8" 4MP PS CMOS Image Sensor (1.411 cm)
- Max. outputs 4MP(2688x1520)@50fps/60fps
- Instastream/H.265/Smart H.264+/H.264 coding
- Five streams for three-channel HD video
- WDR(140dB), Day/Night (ICR), 3D-NR, EIS, Defog, ROI, AWB, AGC, BLC, HLC
- 8mm ~ 32mm Motorized lens
- Support Starlight Technology
- IR Range of 120 Mtrs, IP67, IK10, Micro SD Card, ePoE, PoE+
- With deep learning algorithm, it supports people counting, face recognition, perimeter protection etc
- 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 Recognition

This technology can be used to extract faces from a range of cameras and is capable of processing large quantities of faces in real-time or post-event and can provide alerts to help with access and authentication, border security, and crowd control.



CP-UNC-TG41ZL12-VMDF

4MP AI IR Network Bullet Camera

Functions

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.

Wide Dynamic Range (WDR)

When a scene is partly dark and partly bright, that is the dynamic range that distorts images due to this difference in the lighting. WDR technology provides you balanced lighting for a clear and vivid image throughout the day. WDR technology can be installed at entry/exit points of any building structure, jewellery shops, outdoor location among so many other places.

Starlight Technology

This camera is widely used to provide sharper and clearer picture quality with the help of its exceptional starlight sensitivity as the camera improves night vision in low light conditions. This technology is useful in conditions with extremely low light as the starlight technology turns almost completely dark images into those of clear colors.

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.

OTA (Over the Air) Upgrade - Online Upgrade

OTA update is the online, wireless upgrade function to enable devices to download patches/new updates with a simple click to upgrade internet-connected devices with the latest version. This function helps users to upgrade devices from anywhere and saves the time of moving to the site physically for the upgrade, making the whole process easier for everyone involved.

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 downtime since issues are detected and rectified at the onset and provides daily system support as well as live status web page view.

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.



CP-UNC-TG41ZL12-VMDF

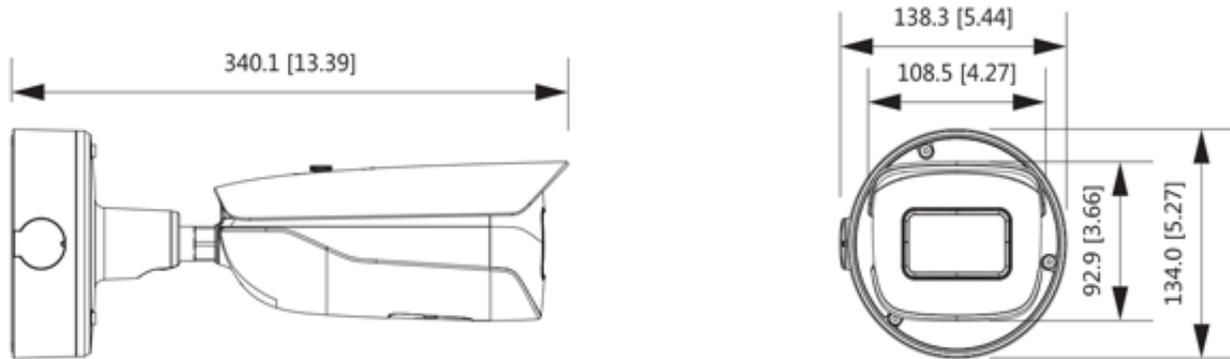
4MP AI IR Network Bullet Camera

Feature	Specification
Image Sensor	1/1.8" 4Megapixel progressive scan CMOS (1.411 cm)
Effective Pixels	2688 (H) × 1520 (V)
RAM	2GB
ROM	16GB
Minimum Illumination	0.001 Lux@F1.6 (Color, 30IRE) 0.0002 Lux@F1.6 (B/W, 30IRE) 0 Lux (IR On)
Shutter Speed	Auto/Manual, 1/3~1/100000s
White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Lens	8~32mm Motorized Lens
Gain Control (AGC)	Auto/Manual
S/N Ratio	>56dB
Bit Rate Control	CBR/VBR
Iris Type	Auto; Precise iris control
Mount Type	Module interface
Close Focus Distance	W: 2.5m ; T: 6m
Max. Aperture	F1.6 (Constant)
Lens Type	Motorized
DORI Distance	W: 151m (Detect) 60.7m (Observe) 30.3m (Recognize) 15.1m (Identify) T: 400m (Detect) 160m (Observe) 80m (Recognize) 40m (Detect)
Angle of View	Horizontal: 40° (W)–15° (T) Vertical: 23° (W)–9° (T) Diagonal: 46° (W)–18° (T)
Video Compression	H.265, Smart H.264+, H.264, H.264H, H.264B, MJPEG (only supported by sub stream)
Encode Strategy	Instastream
Back Light Compensation	BLC/ HLC/ WDR(140dB)
Video Streaming	Main Stream: 2688 × 1520 (1–50/60 fps) Sub stream: 704 × 576 (1–25fps); 704 × 480 (1–30fps) Third stream: 1920 × 1080 (1–25/30 fps) Fourth stream: 1920 × 1080 (1–25/30 fps) Fifth stream: 704 × 576 (1–25fps); 704 × 480 (1–30fps)
Resolution	4MP (2688 × 1520), 3MP (2304 × 1296), 1080P (1920 × 1080), 1.3MP (1280 × 960), 720P (1280 × 720), D1 (704 × 576/704 × 480), VGA (640 × 480), CIF (352 × 288/352 × 240)

Feature	Specification
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.
Audio Output	1 Ch.
Audio Compression	G.711a; G.711Mu; G726; G.723
Alarm IN	3 channel In: 5mA 5V DC
Alarm Out	2 channel Out: 1000mA 30V DC/500mA 50V AC
Face Recognition	Face recognition, track, priority, snapshot, face enhancement, face exposure, Face attribute extract, 6 attributes and 8 expressions: Gender, age, glasses, expressions (anger, sadness, disgust, fear, surprise, calm, happiness and confusion), mask, beard, Face matting setting: face, single inch photo, Two snapshot strategies: priority snapshot, recognition, Face angle filter, Priority time setting, Management of 5 group face libraries, Single person register and person register in batch, Face recognition and similarity setting, Max supports face contrast in face library with 200,000 faces, 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.
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.
Video Metadata	Support human body, human face, motor vehicle and non-motor vehicle image capture and attributes extraction.
Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; fast moving; abandoned object; missing object; loitering detection; people gathering; parking detection; scene changing; audio detection; defocus detection; external alarm; Face Recognition; people counting in area; stay alarm; people counting; people counting exception detection; safety exception, Queue Management
Bit Rate	H.264: 32 kbps-10240 kbps ; H.265: 12 kbps-10240 kbps
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; RTMP; InstaOn
Smart Detection	Abandoned object, moving object

Feature	Specification
OTA (Online Device Upgrade)	Support
Cloud Health Monitoring System (HMS)	Support
Intelligent Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos.
Ethernet	RJ-45 (10/100/1000 Base-T)
User Account	20 (Total bandwidth: 80M)
Interface Ports	1 RS-485 (baud rate range: 1200 bps-115200 bps)
IR	IR Range of 120 Mtr., Smart IR
Smart Phone	iPhone, iPad, Android Phone
Micro SD	FTP; Micro SD card (256 GB); NAS; SFTP
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1080P resolution or below)
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 +65°C (-40°F to +140°F), /Less than 95% RH
Storage Temperature	-40°C to +65°C (-40°F to +149°F)
Power Source	12V DC/24V AC/PoE+ (802.3at), ePoE, max. current 165mA
Power Consumption	Basic power consumption: 3.7W (12V DC); 5.7W(24V AC); 5.5W (PoE) Heat power consumption: 3.3W (12V DC); 5.5W(24V AC); 5.5W (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 × 108.5 mm × 92.9 mm (13.39" × 4.27" × 3.66") (L × W × H)
Casing	Metal + Plastic
Weight	1600g

Dimensions (mm/inch)



Company Name:

CP PLUS (Aditya Infotech Ltd.)
F-28 Okhla Industrial Area, Phase 1,
New Delhi 110020, INDIA

Contact Mail ID :- customercare@cpplusworld.com