THINK SECURITY
THINK CP PLUS

CP PLUS

CP-UNC-VC81ZL5C-VMD-Q

8MP Network IR Vandal Dome Camera - 50Mtr.

- 1/2.7” 8MP PS CMOS Image Sensor (0.9407 centimeters)
- Max. 8MP (3840 × 2160)@1–20 fps
- Instastream, H.265, H.264, H.264H, H.264B, MJPEG
- Support Quad Stream
- WDR(120dB), Day/Night(ICR), 2D NR, 3D NR, ROI, BLC, HLC, AWB, AGC, Digital watermarking
- 2.7 mm~13.5 mm Motorized Lens
- IR Range of 50 Mtr.
- Support Starlight Technology
- Support Built-in Mic
- Micro SD Card, IP67, IK10, PoE
- Mobile Software: iCMOB, gCMOB
- CMS Software: KVMS Pro Lite, EVMS Pro



System Overview

This camera is ideal for places which suffer from altering lighting conditions as the starlight solution along with the full-colour technology in this camera illuminates the scene perfectly to present to you a clear and vivid image. This series is supported by intelligent functions that use AI-based deep learning algorithms which enable effective perimeter protection and smart motion detection for easier surveillance.

CTC Technology:

CP PLUS Trusted Core Technology is a multi-layered security architecture that brings together the best of cyber security practices and technological intelligence. It is not just an enhancement; it is a complete redefinition of how surveillance should function in today’s digital landscape - more intelligent, more secure, and more reliable than ever before.

*Product casing and specifications are subject to change without prior notice

THINK SECURITY
THINK CP PLUS



CP-UNC-VC81ZL5C-VMD-Q

8MP Network IR Vandal Dome Camera - 50Mtr.

Functions

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.

True Day/Night (ICR)

When the scene is too dark, the image is captured by illuminating an infrared light through the camera onto the scene that greatly helps with making the scene visible for the lens. It delivers color images during the day and automatically switches to the monochrome feature as the scene darkens.

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.

Power over Ethernet

CP PLUS cameras with Power over Ethernet (PoE) technology offer a simple and efficient installation by using a single Ethernet cable to deliver both power and data. This eliminates the need for separate power adapters, reduces cable clutter, and ensures a cleaner setup.

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.

*Product casing and specifications are subject to change without prior notice

THINK SECURITY
THINK CP PLUS

CP PLUS



CP-UNC-VC81ZL5C-VMD-Q

8MP Network IR Vandal Dome Camera - 50Mtr.

Feature	Specification
Image Sensor	1/2.7” 8MP PS CMOS Image Sensor (0.9407 centimeters)
Effective Pixels	3840 (H) × 2160 (V)
Minimum Illumination	0.001 lux@F1.4 (Color, 30 IRE), 0.0001 lux@F1.4 (B/W, 30 IRE), 0 lux (IR on)
Angle Adjustment	Pan: 0°–355°, Tilt: 0°–75°, Rotation: 0°–355°
Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
White Balance	Auto, Natural, Street lamp, Outdoor, Manual, Regional custom
RAM	256 MB
ROM	128 MB
Close Focus Distance	0.8 m
Gain Control(AGC)	Auto, Manual
Lens Type	Motorized Vari-focal
Max. Aperture	F1.4
Lens Mount	M14
DORI Distance	Lens W: 85.3 m (Detect), 34.1 m (Observe), 17.1 m (Recognize), 8.5 m (Identify); Lens T: 280.0 m (Detect), 112.0 m (Observe), 56.0 m (Recognize), 28.0 m (Identify)
Lens	2.7 mm~13.5 mm
Angle of View	H: 113°–31°, V: 58°–18°, D: 138°–36°
S/N Ratio	>56dB
IR Number	2 IR LED
IR	IR Range of 50 Mtr.
Day/Night	Auto(ICR)/Color/B/W
Back Light Compensation	BLC/ HLC/ WDR(120dB)
IR Control	Auto, Manual
Iris Control	Fixed
OTA (Over-The-Air)	Support
Device Search Tool	IP finder

CE FC RoHS ONVIF

*Product casing and specifications are subject to change without prior notice

THINK SECURITY
THINK CP PLUS

Feature	Specification
Smart search	Work together with CP Plus AI NVR to perform refine AI search, event extraction and merging to event videos
Video Compression	Instastream, H.265, H.264, H.264H, H.264B, MJPEG (Only supported by the sub stream)
Resolution	8MP (3840 × 2160), 6MP (3072 × 2048), 5MP (3072 × 1728), 4.6MP (2880 × 1620), 4MP (2688 × 1520), 3MP (2048 × 1536), (2304 × 1296), 2MP (1920 × 1080), 1.3MP (1280 × 960), 720p (1280 × 720), D1 (704 × 576/704 × 480), VGA (640 × 480), CIF (352 × 288/352 × 240)
Stream Capability	Quad Stream
Frame Rate	Main stream: 8MP (3840 × 2160)@1-20fps, 6MP (3072 × 2048)@1-20fps, 5MP (3072 × 1728)@1-20fps, 4MP (2880 × 1620/ 2688 × 1520)@1-20fps/ (2688 × 1520)@1-25/30fps, 3MP (2048 × 1536/ 2304 × 1296)@1-25/30fps, 2MP (1920 × 1080)@1-25/30fps, 1.3MP (1280 × 960)@1-25/30fps, 720p (1280 × 720)@1-25/30fps Sub Stream 1: D1 (704 × 576/ 704 × 480)@1-25/30fps, VGA (640 × 480)@1-25/30fps, CIF (352 × 288/ 352 × 240)@1-25/30fps Sub stream 2: D1 (704 × 576/ 704 × 480)@1-25/30fps, VGA (640 × 480)@1-25/30fps, CIF (352 × 288/ 352 × 240)@1-25/30fps Sub stream 3: D1 (704 × 576/ 704 × 480)@1fps, VGA (640 × 480)@1fps, CIF (352 × 288/ 352 × 240)@1fps *The sub streams max. frame rates depends on main stream frame rates
Audio	Built-in Mic
Noise Reduction	2D NR, 3D NR
Motion detection	OFF/ON (4 areas, rectangular)
Video format	PAL/NTSC
IVS(Perimeter Protection)	Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human)
Privacy Mask	4 areas
ROI	Support (4 areas)
OSD	Privacy Masking, Channel Title, Time Title, Location, Font Properties, Custom Title
Bit Rate Control	CBR/VBR
Bit Rate	H.265: 3 kbps–8192 kbps, H.264: 3 kbps–8192 kbps
Mirror Function	Support
Ethernet	RJ-45 (10/100 Base-T)
SDK and API	Support
Alarm Event	No SD card, SD card full, SD card error, Network disconnection, IP conflict, illegal access, Motion detection, Video tampering, Tripwire, Intrusion, Audio detection, Voltage detection, Defocus detection, External alarm, IMD (Intelligent motion detection), Security exception

*Product casing and specifications are subject to change without prior notice

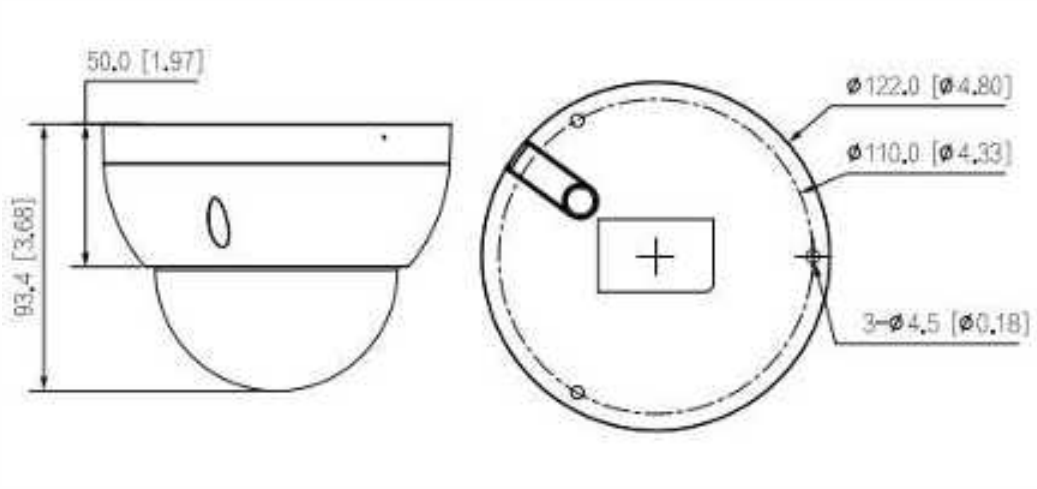
THINK SECURITY
THINK CP PLUS

Feature	Specification
Cyber Security	AES 256-bit Encryption, Configuration encryption, trusted execution, Digest, security logs, WSSE, account lockout, syslog, video encryption, IP/MAC filtering, HTTPS, trusted upgrade, trusted boot
Protocol	SFTP, IPv6, IPv4, DNS, RTCP, NTP, RTP, RTMP, HTTP, HTTPS, SNMP V3, TLS Version 1.2, TCP/IP, PPPoE, NFS, UDP, UPnP, ICMP, SSL, DHCP, SMTP, RTSPS, InstaOn, ONVIF (Profile S, Profile G, Profile T), unicast, multicast
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 2688 × 1520 resolution and lower)
User/Host	6 (Total bandwidth: 48 M)
Audio Compression	G.711a, G.711Mu, G.726, PCM, AAC
Audio Input	1 Channel (RCA port)
Audio Output	1 Channel (RCA port)
Alarm IN	1 Channel in: 5mA 3V–5 VDC
Alarm Out	1 Channel out: 300mA 12 VDC
Browser	IE, Chrome, Firefox, Microsoft Edge
Storage	SFTP, NAS, Mirco SD card (Max. 512GB)
Certificates	ISO 9001: 2015, ISO 20000-1 : 2018, CE, FCC and RoHS, BIS, STQC approved compliance report
Power Source	12 VDC/PoE (802.3af)
Power Consumption	Basic: 2.7 W (12 VDC), 3.4 W (PoE) Max. (H.265+ max. resolution + max. stream+ WDR + IR intensity + IVS): 6.4 W (12 VDC), 7.3 W (PoE)
Weatherproof Standard	IP67, IK10
Operating Temperature	–30°C to +60°C
Operating Humidity	≤95%
Storage Temperature	–40°C to +60°C
Storage Humidity	≤95%
Casing	Metal
Dimension	93.4 mm × Φ122 mm
Weight	510g

Published Date –08-07-2026

*Product casing and specifications are subject to change without prior notice

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