

CP-UNC-VE41ZL5C-VMDS-Q

4MP Network IR Vandal Dome Camera - 50Mtr.



- 1/2.7" 4MP PS CMOS Image Sensor (0.9407 Centimeters)
- Max. 4MP (2688 × 1520)@1-25/30fps
- Instastream, H.265, H.264, H.264H, H.264B, MJPEG
- Support Quad Stream
- WDR(120dB), Day/Night(ICR), 3D NR, ROI, Defog, BLC, HLC, AWB, AGC
- 2.7mm ~13.5mm Motorized Lens
- IR Range of 50 Mtr.
- Support Starlight Technology
- Support Built-in Mic
- Micro SD, IP67, IK10, PoE
- Mobile Software: iCMOB, gCMOB
- CMS Software: KVMS Pro Lite



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.



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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, jewelry 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.

Power over Ethernet

This product uses the latest PoE technology to troubleshoot the occurrence of any issues in the system making it easier to use. With the help of this technology, your camera now only consumes energy directly from the power supply and doesn't require any mid-way switches.

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.

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.

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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Feature	Specification
Image Sensor	1/2.7" 4MP PS CMOS Image Sensor (0.9407 Centimeters)
Effective Pixels	2688(H) × 1520 (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°–65°, 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	512 MB
ROM	128 MB
DORI Distance	Lens W: 44.1 Mtr. (Detect), 17.7 Mtr. (Observe), 8.8 Mtr. (Recognize), 4.4 Mtr. (Identify) Lens T: 144.8 Mtr. (Detect), 57.9Mtr. (Observe), 29.0Mtr. (Recognize), 14.5 Mtr. (Identify)
Gain Control(AGC)	Auto
Lens Type	Motorized vari-focal
Max. Aperture	F1.4
Close Focus Distance	0.8 m
IR Number	3 IR LED
IR	IR Range of 50 Mtr.
IR Control	Auto, Manual
Lens	2.7mm~13.5mm
Lens Mount	M14
Iris Control	Fixed
Video Compression	Instastream, H.265, H.264, H.264H, H.264B, MJPEG (Only supported by the sub stream)
Day/Night	Auto(ICR)/Color/B/W
Angle of View	H: 109°–30°; V: 56°–17°; D: 131°–35°
Back Light Compensation	BLC/ HLC/ WDR(120dB)
Bit Rate	H.265: 3 kbps–6144 kbps, H.264: 3 kbps–6144 kbps
Bit Rate Control	CBR/VBR

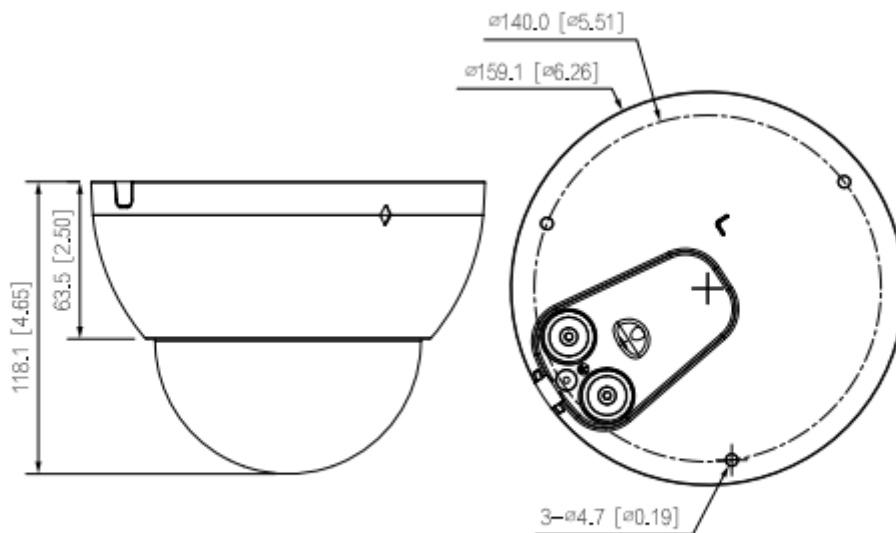
Feature	Specification
AI Instastream	AI Instastream, AI H.264
Stream Capability	Quad Stream
Frame Rate	Main stream: 4MP (2688 × 1520)@1-25/30 fps, 1080P (1920 × 1080)@1-25/30fps, 1.3MP (1280 × 960)@1-25/30fps, 720P (1280 × 720)@1-25/30fps Sub stream 1: D1 (704 × 576/ 704 × 480)@1-25/30 fps, VGA (640 × 480)@1-25/30fps, CIF (352 × 288/ 352 × 240)@1-25/30fps Sub stream 2: 1080P (1920 × 1080)@1-25/30fps, 1.3MP (1280 × 960)@1-25/30fps, 720P (1280 × 720)@1-25/30fps, D1 (704 × 576/ 704 × 480)@1-25/30 fps Sub stream 3: D1 (704 × 576/ 704 × 480)@1-25/
Motion detection	OFF/ON (4 Areas, Rectangular)
IVS(Perimeter Protection)	Intrusion, Tripwire, Abandon Object, Crowd gathering, Missing Object, Loitering Detection, IMD (support the classification and accurate detection of vehicle and human)
People Counting	Tripwire people counting, generating and exporting report (Day/Week/Month/year), People counting in area and queue management, Generating and exporting report (Day/Week/Month), 4 rules can be set for tripwire, People counting in area and queue management
Video format	PAL/NTSC
S/N Ratio	>56 dB
Privacy Mask	4 Area
Resolution	4MP (2688 × 1520), 3.6MP (2560 × 1440), 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)
Noise Reduction	3D NR
Image Stabilization	Electronic Image Stabilization (EIS)
Protocol	IPv4, IPv6, HTTP, HTTPS, TCP, UDP, RTP, RTSP, RTCP, RTMP, SMTP V3, SFTP, DHCP, DNS, QoS, UPnP, NTP, Multicast, ICMP, IGMP, NAS, PPPoE, SNMP, Auto Connect, TLS v1.2 and v1.3, ONVIF (Profile S, Profile G, Profile T), InstaOn
Event Alarm	No SD card, SD card full, SD card error, Network disconnection, IP conflict, Motion detection, Video tampering, Tripwire, Intrusion, Abandoned object, Missing object, Loitering detection, Crowd gathering, Scene changing, Audio detection, Voltage detection, External alarm, Face detection, IMD, People counting in area, Stay detection, People counting, Abnormal Number of People, Queue people number alarm, Queue time alarm, Security exception, Defocus detection
Image Rotation	0°/90°/180°/270°
Mirror Function	Support
Device Search Tool	IP finder

Feature	Specification
Face Detection	Face detection, Target Box Overlay, Remove Duplicate, Faces Face Cutout (Face/ One Inch Photo/ Custom), Snapshot Mode (Real- Time/ Optimized/ Quality Priority), Optimal face snapshot upload, Face attributes extraction including 6 attributes and 8 expressions, Snapshot strategies (real-time snapshot, quality priority and optimization snapshot), Face angle filter, Optimized Duration, Quality Threshold, Snapshot Sensitivity
OTA (Over-The-Air)	Support
SDK and API	Support
Ethernet	RJ-45 (10/100 Enhancement Base-T)
ROI	Support (4 Areas)
Overlay	Privacy Masking, Channel Title, Time Title Location, Custom Title, Face Statistics
Audio	Built-in Mic
Audio Input	1 Channel (RCA port)
Audio Output	1 Channel (RCA port)
Audio Compression	PCM, G.711a, G.711Mu, G.726, AAC
Alarm IN	1 Channels in: wet contact, 5mA 3V–5V DC
Alarm Out	1 Channel out: wet contact, 300mA 12V DC
IMD	Support
Defog	Support
Cyber Security	AES 256-bit Encryption, Configuration encryption, Trusted execution, Digest, Security logs, WSSE, Account lockout, Syslog, Video encryption, 802.1x, Allow list/Block list, HTTPS, Trusted upgrade, Trusted boot, Firmware encryption
User/Host	20 (Total bandwidth: 80 M)
Storage	SFTP, NAS, Mirco SD card (Max. 512GB)
Browser	Microsoft, Edge and Chrome
Certificates	ISO 9001: 2015, ISO 20000-1 : 2018, CE, FCC and RoHS, BIS, STQC approved compliance report
Power Source	12 VDC/24 VAC/PoE (802.3af)/ePoE
Power Consumption	Basic: 1.6 W (12 VDC); 1.9 W (24 VAC); 3.1 W (PoE) Max. (H.265+ WDR+ Intelligence on + IR on): 7.9 W (12 VDC); 9.5 W (24 VAC); 9.9W (PoE)
Weatherproof Standard	IP67 & IK10
Operating Temperature	–30 °C to +60 °C (–22 °F to +140 °F)
Operating Humidity	≤95%

Feature	Specification
Reset Button	Support
Storage Temperature	−40 °C to +60 °C (−40 °F to +140 °F)
Storage Humidity	10%–95% (RH), non-condensing
Casing	Metal
Dimension	159.1 mm × 118.1 mm
Weight	910g

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Dimensions (mm/inch)



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