CP-UNC-TB21ZL6C-VMDS

2MP Full HD Network IR Bullet Camera - 60Mtr.

- 1/2.8" 2MP PS CMOS Image Sensor (0.9071cm)
- Max. Output 2MP(1920×1080)@25/30fps
- Instastream, H.265, Smart H.264+, Dual stream encoding
- WDR(120dB), Day/Night (ICR), 3D-DNR, ROI, AWB, AGC, BLC
- 2.7mm-13.5mm Motorized Lens
- IR Range of 60 Mtrs.
- Support Starlight Technology
- Support Built in Mic, Micro SD Card, IP67, IK10, SMD Plus
- Abnormality detection: Motion detection, video tampering, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, and voltage detection
- Mobile Software: iCMOB, gCMOB
- CMS Software: KVMS Pro

1/2.8" CMOS	2MP 1080P	WDR Wide Dynamic Range	IP67	AGC Auto Gain Control	Automatic White Balance	Backlight Compensation

System Overview

This camera is ideal for places which suffer from faltering 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.

Functions

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.

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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.

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.

Smart Motion Detection (SMD Plus)

CPPLUS has introduced Smart Motion Detection, AI-based SMD, which use an advanced algorithm to differentiate human and vehicular shapes within a scene and send alarms only when a person or vehicle is detected.

True Day/Night

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.

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.

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.
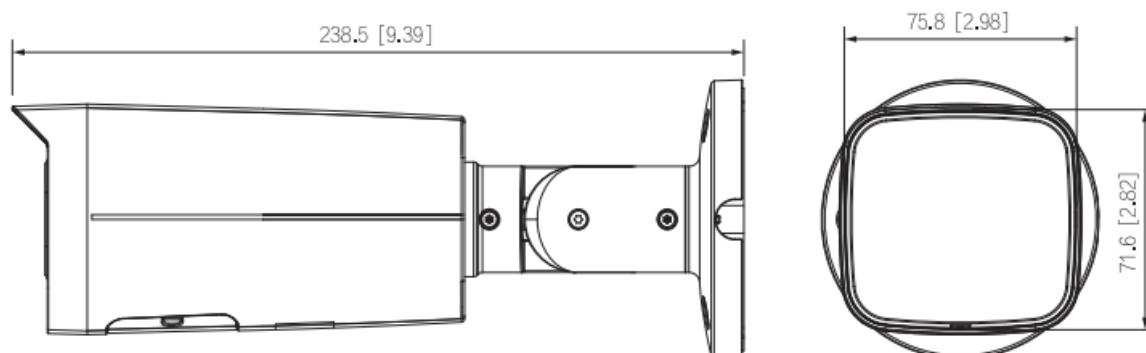
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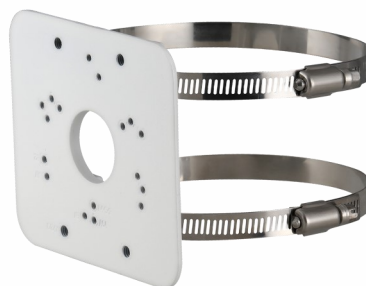| Feature	Specification
Image Sensor	1/2.8" 2MP PS CMOS Image sensor (0.9071cm)
Effective Pixels	1920 (H) × 1080 (V)
Minimum Illumination	0.002 lux@F1.5 (Color, 30 IRE) 0.0002 lux@F1.5 (B/W, 30 IRE) 0 lux (Illuminator on)
Shutter Speed	Auto/Manual, 1/3s - 1/100000s
ROM	128MB
RAM	128MB
Max. Aperture	F1.5
Mount Type	φ14
Gain Control (AGC)	Auto/Manual
Lens Type	Motorized lens
Iris Type	Fixed
Lens	2.7mm–13.5mm
Close Focus Distance	0.8m
DORI Distance	W: 44.1m(Detect), 17.7m(Observe), 8.8m(Recognize), 4.4m(Identify) T: 144.8m(Detect), 57.9m(Observe), 29.0m(Recognize), 14.5m(Identify)
White Balance	Auto/ Natural/ Street lamp/ Outdoor/ Manual/ Regional custom
Back Light Compensation	BLC / HLC / WDR(120dB)
Stream Capability	2 Streams
Video Compression	H.265, H.264, H.264H, H.264B, MJPEG (Only supported by the sub stream)
Encode Strategy	Instastream
Pan, Tilt, Rotation	Pan: 0°–360°, Tilt: 0°–90°, Rotation: 0°–360°
Angle of View	H: 108°–30°, V: 56°–17°, D: 131°–35°
Smart search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos
S/N Ratio	>56 dB

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Feature	Specification
Resolution	1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
Frame Rate	Main stream: 1920 × 1080@(1–25/30 fps) Sub stream: 704 × 576@(1–25 fps)/704 × 480@(1–30 fps) *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity
Noise Reduction	3D NR
Motion detection	OFF/ON (4 areas, rectangular)
Privacy Mask	Supported (4 areas)
ROI	Supported (4 areas)
ICR	Auto (ICR) / Color / B / W
Audio Compression	G.711a, G.711Mu, G726, PCM
Built in Mic	Supported
Audio Input	1Ch. (RCA port)
Audio Output	1Ch. (RCA port)
Alarm IN	1Ch. in: 5mA 3V–5V DC
Alarm Out	1Ch. Out: 300mA 12V DC
Bit Rate Control	CBR/VBR
Bit Rate	H.264: 32 kbps–6144 kbps H.265: 12 kbps–6144 kbps
Protocol	IPv4, IPv6, HTTP, TCP, UDP, ARP, RTP, RTSP, RTCP, RTMP, SMTP, DHCP; DNS, DDNS, NTP, Multicast, ICMP, IGMP, ONVIF (profile S, profile T), CGI, InstaOn, Milestone
SDK and API	Supported
Ethernet	RJ-45 (10/100Base-T)
Event Trigger	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, SMD, Security Exception
Cyber Security	Video encryption, Configuration encryption, Digest, WSSE, Account lockout, Security logs, IP/MAC filtering, Generation and importing of X.509 certification, syslog, HTTPS, 802.1x, Trusted boot, Trusted execution, Trusted upgrade

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Feature	Specification
Perimeter Protection	Intrusion, Tripwire (The two functions support the classification and accurate detection of vehicle and human)
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1080p resolution and lower)
SMD Plus	Supported
IR Control	Auto; Manual
IR	IR Range of 60 Mtr.
IR Number	4 (IR LED)
Mirror Function	Supported
Storage	FTP, SFTP
Micro SD	Micro SD card (Max. 256GB)
User/Host	6 (Total Bandwidth: 36M)
Browser	IE, Chrome, Firefox
Smart Phone	iPhone, iPad, Android Phone
Weatherproof Standard	IP67 & IK10(Optional)
Operating Temperature	−30 °C to +60 °C (−22 °F to +140 °F)
Storage Temperature	−40 °C to +60 °C (−40°F to +140°F)
Operating Humidity	≤95%
Power Source	12V DC/PoE(802.3af)
Power Consumption	Basic: 2W (12 VDC); 2.6 W (PoE) Max. (H.265+intelligence on +WDR +IR on): 8.6 W (12 VDC); 9.9 W (PoE)
Casing	Metal
Dimension	238.5mm × 90.7mm × 90.7mm
Weight	0.76Kg

Dimensions (mm/inch)

238.5 [9.39]

75.8 [2.98]

71.6 [2.82]

Accessories : Optional

CP-UA-B2P
Pole Mount