

# CP-UNC-VB21L3C-MDS

2MP Full HD IR Network Vandal Dome Camera - 30Mtr.

- 1/2.8" 2MP PS CMOS Image Sensor (0.9071 centimeters)
- 1920(H) × 1080(V)@25/30 fps
- Instostream, H.265; H.264; H.264H; H.264B; MJPEG
- WDR(120dB), Day/Night(ICR), 3D-NR, ROI, AWB, AGC, BLC, HLC
- 2.8mm fixed lens (3.6mm optional)
- IR Range of 30 Mtr, IP67, IK10, SD Card, PoE
- Support: Starlight Function
- Support: SMD+
- Mobile Software: iCMOB, gCMOB
- CMS Software: KVMS 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.

## Functions

### 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.



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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.

#### 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 unprecedeted levels even when compared to international competitors.



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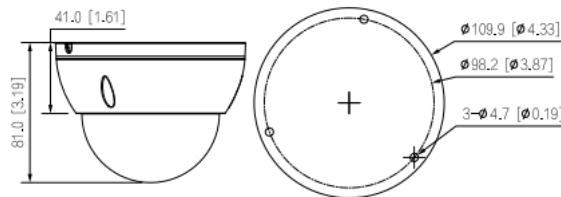
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Feature	Specification
Image Sensor	1/2.8" 2MP PS CMOS Image Sensor (0.9071 centimeters)
Effective Pixels	1920(H) x 1080(V)
Minimum Illumination	0.002 lux@F1.6 (Color, 30 IRE) 0.0002 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)
Shutter Speed	Auto/Manual 1/3 s–1/100000 s
White Balance	Auto; natural; Street lamp; Outdoor; Manual; Regional custom
RAM	128 MB
ROM	128 MB
Lens	2.8mm fixed lens (3.6mm optional)
DORI Distance	2.8 mm: Detect:43.9 Mtr, Observe:17.5Mtr, Recognize: 8.8Mtr, Identify: 4.4Mtr , 3.6mm: Detect: 58.9Mtr ,Observe:23.6Mtr, Recognize:11.8 Mtr, Identify : 5.9Mtr
Lens Type	Fixed
Max. Aperture	F1.6
Gain Control(AGC)	Auto/Manual
Close Focus Distance	2.8 mm: 0.7 Mtr , 3.6 mm: 1.3 Mtr
Lens Mount	M12
Pan,Tilt, Rotation	Pan: 0°–355° Tilt: 0°–65° Rotation: 0°–355°
Back Light Compensation	BLC / HLC / WDR(120dB)
S/N Ratio	>56 dB
Angle of View	2.8 mm: H: 106°; V: 56°; D: 127° 3.6 mm: H: 88°; V: 44°; D: 105°
Video Compression	Instastream,H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)
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)

Feature	Specification
Bit Rate Control	CBR/VBR
Bit Rate	H.264: 32 kbps–6144 kbps H.265: 12 kbps–6144 kbps
Noise Reduction	3D-NR
Motion detection	Off / On (4 Zone, Rectangle)
Privacy Mask	Support (4 Area)
ROI	Support(4 Areas)
Audio Compression	G.711a; G.711Mu; G.726; PCM
Built in Mic	Support
Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; NTP; Multicast; ICMP; IGMP,ONVIF (Profile S/Profile G); CGI
SDK and API	Support
Smart Illumination	Support
IR Distance	Up to 30 Mtr (IR LED)
IR Number	3 (IR LED)
IR Control	Auto/Manual
Day/Night	Auto(ICR)/Color/B/W
Ethernet	RJ-45 (10/100Base-T)
IVS	Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human)
Smart search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos
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; SMD; security exception
User/Host	6 (Total bandwidth: 36 Mbps)
Cyber Security	Video encryption; Firmware 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
Browser	IE; Chrome; Firefox
Mirror Function	Support
Smart Phone	iPhone, iPad, Android Phone
Storage	FTP; SFTP; Micro SD card (support max. 512 GB)
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1080p resolution and lower)

Feature	Specification
Weatherproof Standard	IP67 & IK10
Iris Control	Fixed
Operating Temperature	−40 °C to +60 °C (−40 °F to +140 °F)
Operating Humidity	≤95%
Power Source	12 VDC/PoE
Power Consumption	Basic: 1.9 W (12 VDC); 2.5 W (PoE) Max. (ICR + H.265 + WDR + max. Illumination + intelligence
Casing	Metal
Dimension	81.0 mm × Φ109.9 mm
Weight	0.34 kg

Dimensions (mm/inch)



Accessories : Optional



Pole Mount Bracket

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