

CP-UNP-E3221L18-DAQ

2MP WDR 32x IR Network PTZ Camera- 180 Mtr.

- 1/2.8" 2MP PS CMOS Image sensor (0.9071 centimeters)
- Max. 2MP(1920 × 1080)@25/30fps
- Powerful 32x Optical and 16x Digital zoom
- WDR(120dB), 2D NR/ 3D NR, Day/Night(ICR), ROI, Defog, AWB, BLC, HLC
- Support Quad stream
- Up to 300 Presets, 5 Scan, 8 Tour, 5 Pattern
- Support Starlight Technology
- IR Range of 180 Mtr.
- Support PoE+, IP67, IK10



System Overview

Using the advanced algorithms of the twenty-first century this Series by CP Plus has been boosted with the starlight technology which is widely used for getting sharper and clearer images with the help of the unprecedented starlight sensitivity that improves night vision for the camera in low-light conditions. On top of that, the camera also consists of the highly efficient Instastream/H.265 compression technology.

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, 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.

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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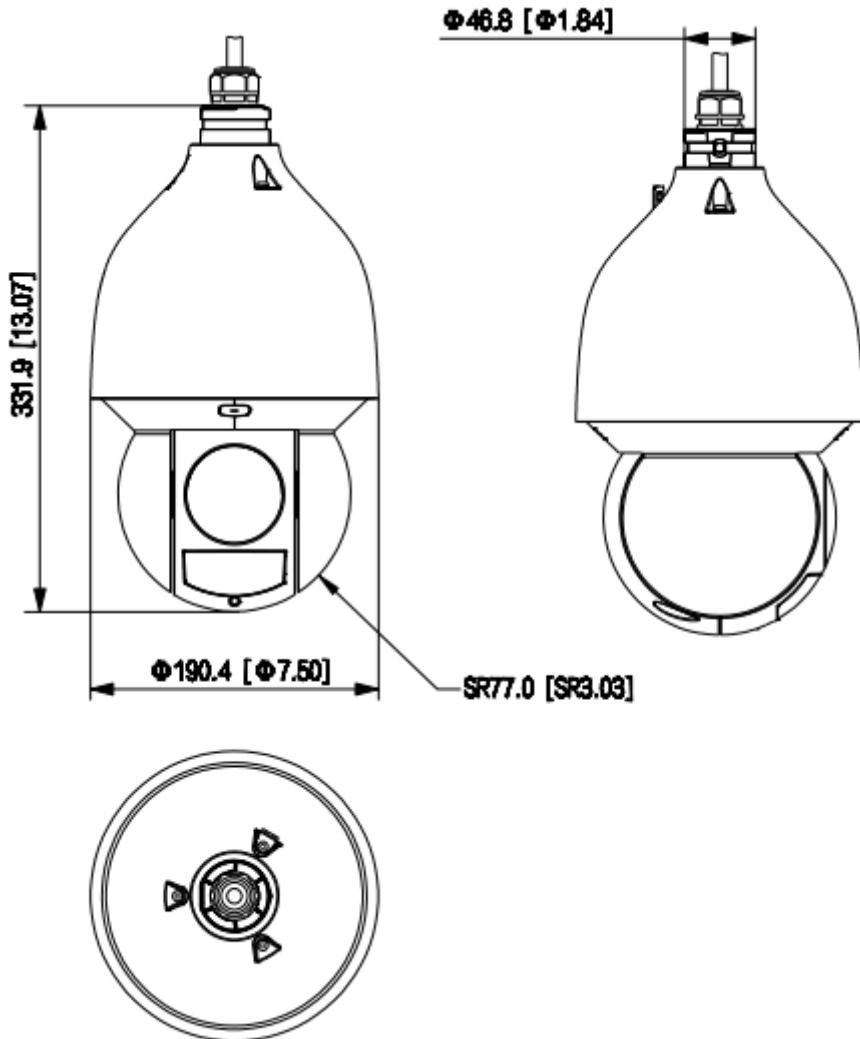
Feature	Specification
Image Sensor	1/2.8" 2MP PS CMOS Image sensor (0.9071 centimeters)
Effective Pixels	1920 (H) x 1080 (V)
Max. Aperture	F1.6–F4.0
S/N Ratio	≥55 dB
RAM	512 MB
ROM	256 MB
Minimum IR	Color: 0.005 lux@F1.6, B/W: 0.0005 lux@F1.6, 0 lux (IR light on)
Focal Length	4.5 mm–144 mm
Focus Control	Auto, semi-auto, manual
White Balance	Auto, Indoor, Outdoor, ATW, Manual, Sodium lamp, Natural light, Street lamp
Angle of View	H: 58.4°–3.0°, V: 33.4°–1.7°, D: 66.4°–3.4°
Close Focus Distance	0.1 m–1.5 m
Iris Control	Auto, Manual
Resolution	2MP (1920 x 1080), 960p (1280 x 960), 720p (1280 x 720), D1 (704 x 576), CIF (352 x 288)
DORI Distance	Lens 4.5 mm–144 mm: 1986mm (Detect), 785mm (Observe), 398mm (Recognize), 198mm (Identify)
Electronic Shutter	1/1 s–1/30,000 s
Back Light Compensation	BLC/ HLC/ WDR(120dB)
Optical Zoom	32x
Digital Zoom	16x
Bit Rate	H265: 25 kbps–6400 kbps, H264: 64 kbps–10496 kbps
Image Rotation	180°
Pan/ Tilt Range	Pan: 0° to 360°, Endless, Tilt: -15° to +90°, Auto flip 180°
Power off memory	Support
SMD	Support
Day/Night	Auto (ICR)/Color/B/W

Feature	Specification
Video Format	PAL/NTSC
OSD	Camera title, Date & Time
Manual Speed	Pan: 0.1°/s–300°/s, Tilt: 0.1°/s–200°/s
Noise Reduction	2D NR/ 3D NR
Preset Speed	Pan: 400°/s, Tilt: 300°/s
Image Stabilization	Electronic Image Stabilization (EIS)
Special Features	Up to 300 Presets, 5 Pattern, 8 (up to 32 presets per tour) Tour, 5 Scan
Privacy Mask	Up to 24 areas can be set, with up to 8 areas in the same view
Defog	Electronic
Idle Motion	Pattern, Preset, Scan, Tour
Stream Capability	Quad stream
IR Number	4 IR
IR	180 Mtr.
IR Control	Zoom Prio, Manual, Smart IR, Off
Gain Control	Auto, Manual
Video Compression	Instastream, H.265, H.264, H.264H, H.264B, MJPEG (Sub Stream 1)
Bit Rate Control	CBR/VBR
Frame Rate	Main stream: 1080p/720p/D1@1–25fps Sub stream 2: 1080p/720p/D1 @1–25 fps Sub stream 3: D1@1–25fps Sub stream 4:D1@1–25fps
Motion Detection	Support
Audio Compression	PCM, G.711A, G.711MU, G.726, MPEG2- Layer2, G.722.1, AAC
Auto Tracking	Support
ROI	Support
Ethernet	1 × RJ-45 (10/100 Base-T)
Audio In	1 channel
Audio Out	1 channel
IVS (Optional)	Tripwire, Intrusion, Object Abandon/ Missing, SMD, Face Detection
Protocols	SFTP, IPv6, IPv4, DNS, RTCP, NTP, RTP, HTTP, HTTPS, SNMP V3, TCP/IP, PPPoE, NFS, UDP, ICMP, SSL, DHCP, SMTP, RTSPS, ONVIF (Profile S, Profile G, Profile T), unicast, multicast

Feature	Specification
Alarm I/O	2/1
Alarm Linkage	Capture, Recording, Send email, Preset, Tour, Pattern, Alarm digital output
Alarm Event	Motion/Tampering detection, Audio detection, Network disconnection detection, IP conflict detection, Memory card state detection, Memory space detection
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
Tracking Trigger Event	Motion detection, Video tampering, Network disconnection, IP address conflict, Illegal access, Storage anomaly
Browser	IE, Chrome, Firefox
Storage	SFTP, NAS, Mirco SD card (Max. 512GB)
Certificates	ISO9001
Power Source	24 VDC, 2.5 A ± 25% PoE+ (802.3at)
Power Consumption	Basic: 8 W Max: 18.5W (illuminator on)
User/Host	20 (total bandwidth: 64 Mbps)
Weatherproof Standard	IP67, IK10, TVS 6000V lightning proof, surge protection, voltage transient protection
Operating Temperature	-40°C to +70°C
Operating Humidity	≤ 95% (RH)
Dimension	332 mm x Ø190 mm
Weight	4.6 kg

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Dimensions (mm/inch)



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