

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)@1–25fps
- Powerful 32x Optical and 16x Digital zoom
- WDR(120dB), 2D NR/ 3D NR, Day/Night(ICR), ROI, Defog, AWB, BLC, HLC
- Support Penta stream
- Up to 300 Presets, 5 Scan, 8 Tour, 5 Pattern
- Support Starlight Technology
- IR Range of 180 Mtr.
- Support PoE+, IP67, IK10
- Mobile Software: iCMOB, gCMOB
- CMS Software: KVMS Pro Lite, EVMS Pro



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

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.

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.

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.

Regions of interest

Regions of Interest (ROI) is a user defined feature that allows the operator to monitor specific areas of a scene while still maintaining overall situational awareness of less important areas.

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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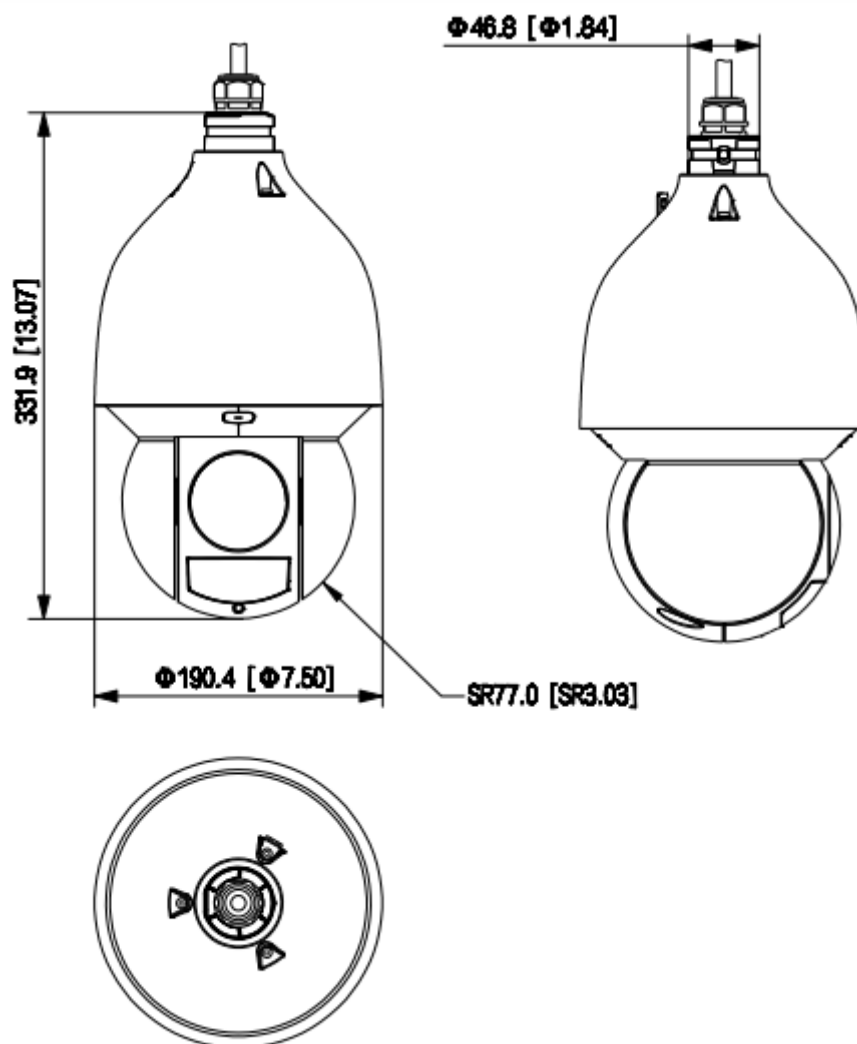
Feature	Specification
Image Sensor	1/2.8" 2MP PS CMOS Image sensor (0.9071 centimeters)
Effective Pixels	1920 (H) × 1080 (V)
Max. Aperture	F1.6–F4.0
S/N Ratio	≥55 dB
RAM	512 MB
ROM	256 MB
Minimum IR	Color: 0.005 lux@F1.6, B/W: 0.0005 lux@F1.6, 0 lux (IR light on)
Focal Length	4.5 mm–144 mm
Focus Control	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 × 1080), 960p (1280 × 960), 720p (1280 × 720), D1 (704 × 576), CIF (352 × 288)
DORI Distance	1986 m (Detect), 785 m (Observe), 398 m (Recognize), 198 m (Identify)
Electronic Shutter	1/1 s–1/30,000 s
Back Light Compensation	BLC/ HLC/ WDR(120dB)
Optical Zoom	32×
Digital Zoom	16×
Bit Rate	H265: 188 kbps–6400 kbps, H264: 216 kbps–8192 kbps
Image Rotation	180°
Pan/ Tilt Range	Pan: 0° to 360°, Endless, Tilt: –15° to +90°, Auto flip 180°
Power off memory	Support
IMD	Support
Day/Night	Auto (ICR)/Color/B/W

Feature	Specification
Video Format	PAL
OSD	Channel Title, Time Title, OSD Info (PTZ Coordinate Zoom North, Pattern Temperature, Preset, Location, Input Text, Text Alignment), Font Properties, Custom Title, Exception Overlay
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	Penta 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: 2MP (1920 × 1080)@1–25fps, 720p (1280 × 720)@1–25fps, D1 (704 × 576)@1–25fps Sub stream 1: D1 (704 × 576)@1–25fps, CIF (352 × 288)@1–25fps Sub stream 2: 2MP (1920 × 1080)@1–25fps, 720p (1280 × 720)@1–25fps, D1 (704 × 576)@1–25fps Sub stream 3: D1 (704 × 576)@1–25fps Sub stream 4: D1 (704 × 576)@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

Feature	Specification
IVS(Perimeter Protection)	Crossing Virtual Fence, Tripwire, Intrusion, Abandoned Object, Fast Moving, Parking Detection, Crowd Gathering, Missing Object, Loitering Detection, IMD
Device Search Tool	IP finder
OTA (Over-The-Air)	Support
SDK and API	Support
Protocols	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
Alarm I/O	2 IN/ 1 OUT
Alarm Linkage	Capture, Recording, Send email, Preset, Tour, Pattern, Alarm digital output
Event Alarm	Motion Detection, Defocus Detection, Disk Full, Disk Error, Video Tampering, External Alarm, Security Warning, Audio Detection, AI Event
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
Reset Button	Support
Face Detection	Face detection, Face Enhancement, Face Cutout(Face/ One Inch Photo), Snapshot Mode (Real- Time/ Quality Priority), Optimal face snapshot upload, Quality Threshold
Browser	IE, Chrome, Firefox
Storage	SFTP, NAS, Mirco SD card (Max. 512GB)
Certificates	ISO 9001: 2015, ISO 20000-1 : 2018, ISO 14001 : 2015, ISO 45001 : 2018, ISO 50001:2018, CE, FCC and RoHS, BIS, STQC approved compliance report
Power Source	24 VDC, 2.5 A $\pm$ 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	$\leq$ 95% (RH)
Dimension	332 mm $\times$ 190 mm
Weight	4600g

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Dimensions (mm/inch)



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