

CP-UNP-F4521L30-DPQ

2MP 45x Full HD Network IR PTZ Camera– 300 Mtr.

- 1/2.8" 2MP PS CMOS Image sensor (0.9071 centimeter)
- Max. 2MP (1920 × 1080)@1–25/30fps
- Instastream, H.265, H.264, H.264H, H.264B, MJPEG
- Support Penta Stream
- Powerful 45x Optical and 16x Digital zoom
- WDR(120dB), Day/Night(ICR), 2D NR/ 3D NR, ROI, Defog, AWB, AGC, BLC, HLC,
- Up to 300 Presets, 5 Scan, 8 Tour, 5 Pattern
- Support Starlight Technology
- IR Range of 300 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.

MTBF

Secure Boot : With an impressive Mean Time Between Failures (MTBF) of over 100,000 hours, this camera delivers exceptional durability with its ability to perform seamlessly in demanding environments. Constructed with industrial-grade components, it is engineered to withstand the rigors of continuous operation, making it a perfect fit for critical applications such as 24/7 surveillance and public safety monitoring.



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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.

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.

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.

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.

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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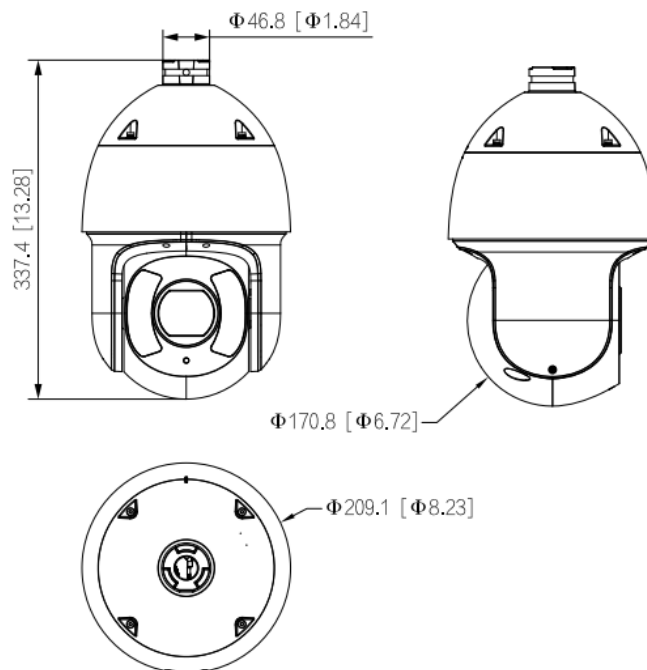
2MP 45x Full HD Network IR PTZ Camera– 300 Mtr.

Feature	Specification
Image Sensor	1/2.8" 2MP PS CMOS Image Sensor (0.9071 centimeter)
Effective Pixels	1920(H) x 1080(V)
Minimum Illumination	0.005 lux@F1.6 (Color, 30 IRE), 0.0005 lux@F1.6 (B/W, 30 IRE), 0 lux@F1.6 (illuminator on)
Focus Control	Auto/Semi-Auto/Manual
RAM	512 MB
ROM	256 MB
White Balance	Auto, Indoor, Outdoor, ATW, Manual, Sodium lamp, Natural light, Street lamp
Lens	3.95 mm–177.75 mm
Max. Aperture	F1.6–F4.95
Angle of View	H: 65.7°–1.9°, V: 39.4°–1.1°, D: 73.1°–2.1°
Close Focus Distance	0.1 Mtr.–1 Mtr.
Iris Control	Auto/Manual
DORI Distance	2451.7 Mtr. (Detect), 972.9 Mtr. (Observe), 490.3 Mtr. (Recognize), 245.2 Mtr. (Identify)
Electronic Shutter	1/1 s–1/30,000 s
Back Light Compensation	BLC/ HLC/ WDR(120dB)
S/N Ratio	≥ 55 dB
Optical Zoom	45x
Digital Zoom	16x
Image Rotation	180°
Pan/Tilt Range	Pan: 0° to 360° endless, Tilt: –20° to +90°, auto flip 180°
Power off memory	Support
Manual Speed	Pan: 0.1° ~260° /s, Tilt: 0.1° ~120° /s
Preset Speed	Pan: 0.1°/s~300°/s, Tilt: 0.1°/s~200°/s
Image Stabilization	Electronic (EIS)
Privacy Masking	Up to 24 Areas can be set, with up to 8 areas in the same view
Special Features	Up to 300 Presets, 5 Pattern, 8 (up to 32 presets per tour) Tour, 5 Scan
Idle Motion	Preset, Tour, Pattern, Scanning

Feature	Specification
Defog	Electronic
IR	IR Range of 300 Mtr.
IR Number	6 IR
IR Control	Zoom Prio, Manual, Smart IR, Off
Day/Night	Auto (ICR)/Color/B/W
Gain Control	Auto/Manual
Video Format	PAL
Overlay	Channel Title, Time Title, OSD Info (PTZ Coordinate, Zoom, North, Pattern, Temperature, Preset, Location, Input Text, Text Alignment), Font Properties, Custom Title, Exception Overlay
Video Compression	Instastream, H.265, H.264, H.264H, H.264B MJPEG (Sub Stream)
Stream Capability	Penta Stream
Frame Rate	Main stream: 2MP (1920 × 1080)@1–25fps, 1MP (1280 × 720)@1–25fps, D1 (704 × 576)@1–25fps Sub stream 1:D1/CIF @(1–25 fps) Sub stream 2: 2MP (1920 × 1080)@1–25fps, 1MP (1280 × 720)@1–25fps, D1 (704 × 576)@1–25fps Sub stream 3:D1 @(1–25 fps) Sub stream 4:D1 @(1–25 fps)
Resolution	2MP (1920 × 1080), 1MP (1280 × 720), D1 (704 × 576), CIF (352 × 288)
Bit Rate	H265: 86 kbps–5632 kbps, H264: 216 kbps–8192 kbps
Bit Rate Control	CBR/VBR
Motion Detection	Support
ROI	Support
Noise Reduction	2D NR/3D NR
Audio In	1 Channel
Audio Out	1 Channel
Audio Compression	PCM, G.711a, G.711Mu, G.726, MPEG2-Layer2, G722.1, AAC
Auto Tracking	Support
Alarm IN	7 Channel
Alarm Out	2 Channel
User/Host	20 (total bandwidth: 64 Mbps)
Ethernet	1 × RJ-45 (10/100 Base-T)

Feature	Specification
Tracking Trigger Event	Crossing virtual fence, Tripwire, Intrusion, Abandoned Object, Fast Moving, Parking Detection, Loitering Detection
Reset Button	Support
Alarm Linkage	Capture, Recording, Send email, Preset, Tour, Pattern, Alarm digital output
Event Alarm	Motion/tampering detection, Defocus Detection, Audio detection, SD Card Exception(No SD card, Low SD card space, SD card error), Network Exception (Offline, IP Conflict), External Alarm, IMD, Security Warning, AI Events
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
IVS(Perimeter Protection)	Crossing virtual fence, Tripwire, Intrusion, Abandoned Object, Fast Moving, Parking Detection, Crowd Gathering, Missing Object, Loitering Detection, IMD
Face Detection	Face detection, Face Enhancement, Face Cutout (Face/ One Inch Photo), Snapshot Mode (Real-Time/ Quality Priority), Optimal face snapshot upload, Quality Threshold
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
Device Search Tool	IP finder
OTA (Over-The-Air)	Support
Storage	SFTP, NAS, Mirco SD card (Max. 512GB)
Browser	Microsoft Edge and Chrome
Weatherproof Standard	IP67, IK10, TVS 6000 V lightning proof, Surge protection, and voltage transient protection
Hardware Reset Point	Support
Certificates	MTBF Certificate from STQC, EMI/EMC, ISO 9001: 2015, ISO 20000-1 : 2018, CE, FCC and RoHS, BIS
Power Source	24 VDC, 2.5 A $\pm$ 25% PoE+ (802.3at)
Power Consumption	24 VDC, 2.5 A $\pm$ 25%: Basic: 13 W; Max: 25 W (illuminator + PTZ) PoE+ (802.3at): Basic: 13 W; Max: 25 W (illuminator + PTZ)
Operating Temperature	-40 °C to +70 °C
Operating Humidity	$\leq$ 95% RH, Non condensing
Casing	Metal
Dimension	337.4mm $\times$ 209mm
Weight	5900g

Dimensions (mm/inch)



Company Name:

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