

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)
- 1920 (H) × 1080 (V)@ 25/30fps
- Powerful 45x Optical and 16x Digital zoom
- WDR(120dB), 2D/3D DNR, Day/Night(ICR), ROI, Defog, AWB, BLC, HLC, AGC
- Up to 300 Presets, 5 Scan, 8 Tour, 5 Pattern
- Support Starlight Technology
- IR Range of 300 Mtr.
- IP67, IK10, Support PoE+



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.

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 unprecedented levels even when compared to international competitors.



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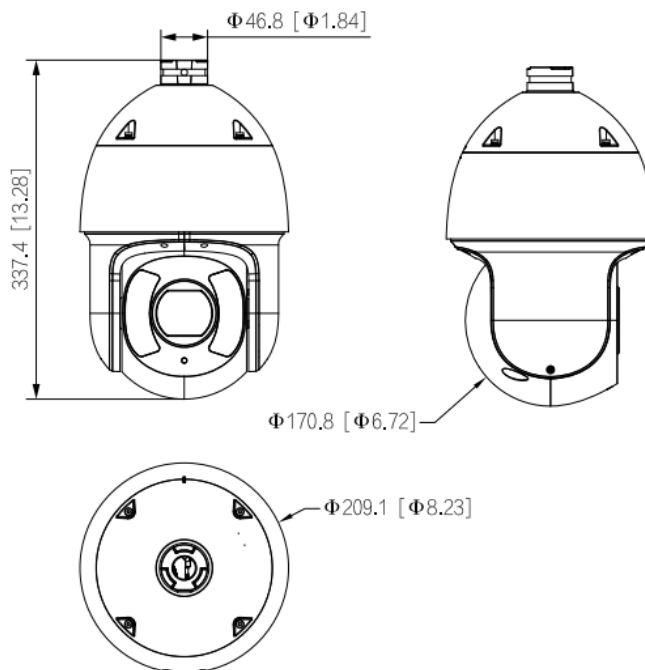
Feature	Specification
Image Sensor	1/2.8" 2MP PS CMOS Image Sensor (0.9071 centimeter)
Effective Pixels	1920(H) x 1080(V)
Minimum Illumination	Color: 0.005 Lux@F1.6, B/W: 0.0005 Lux@F1.6, 0 Lux@F1.6 (IR on)
Focus Control	Auto/Semi-Auto/Manual
RAM	512 MB
ROM	256 MB
White Balance	Auto/Indoor/Outdoor/Tracking/Manual/Sodium 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	45×
Digital Zoom	16×
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: 300°/s, Tilt: 200°/s
Image Stabilization	Electronic (EIS)
Privacy Masking	Up to 24 Areas can be set, with up to 8 areas in the same view

Feature	Specification
Special Features	Up to 300 Presets, 5 Pattern, 8 (up to 32 presets per tour) Tour, 5 Scan
Idle Motion	Preset/ Tour/ Pattern/ Scanning
Defog	Electronic
IR Distance	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/NTSC
OSD	Camera title, Date & Time
Video Compression	Instream, H.265, H.264H, H.264B, H.264, MJPEG(Sub Stream)
Resolution	2MP (1920 × 1080), 1MP (1280 × 720), D1 (704 × 576), CIF (352 × 288)
Frame Rate	Main stream: 2MP/1MP/D1 @(1–25/30 fps) Sub stream 1: 2MP/1MP/D1 @(1–25/30 fps) Sub stream 2:D1/CIF @(1–25/30 fps) Sub stream 3: D1/CIF @(1–25/30 fps)
Stream Capability	Quad Stream
Bit Rate	H264: 64 kbps–8192 kbps, H265: 25 kbps–6400 kbps
Bit Rate Control	CBR/VBR
Motion Detection	Support
ROI	Support
Noise Reduction	2D/3D DNR
Two-Way Talk	Support
Audio In	1 channel
Audio Out	1 channel
Audio Compression	PCM, G.711a, G.711Mu, G.726, MPEG2-Layer2, G722.1
Alarm I/O	7/2 channel In/Out
User/Host	20 (total bandwidth: 64 Mbps)
Ethernet	RJ-45 (10/100Base-T)

Feature	Specification
Alarm Event	Motion/Tampering detection, audio detection, network disconnection detection, IP conflict detection, memory card state detection, memory space detection
Protocols	IPv4, IPv6, HTTP, HTTPS, ARP, RTSPS, SMTP, SFTP, DHCP, DNS, UPnP, NTP, Multicast, NFS, PPPoE, SNMP V1/V2/V3, ICMP, IGMP, ONVIF (Profile S, Profile G, Profile T), Unicast, Multicast
IVS (Optional)	Tripwire, Intrusion, Object Abandon/ Missing, IMD (Intelligent motion detection), Face 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
Storage	SFTP, NAS, Micro SD card (Support max. 512 GB)
Browser	Microsoft Edge and Chrome
Operating Temperature	−40 °C to +70 °C
Operating Humidity	≤ 95% RH, Non condensing
SR 332	Quality Level II
Weather Proof Standard	IP67, IK10, TVS 8000V lightning proof, surge protection, voltage transient protection
Certificates	MTBF Certificate from STQC, EMI/EMC, ISO 9001: 2015, ISO 20000-1 : 2018, CE, FCC and RoHS, BIS, STQC approved compliance report
Power Source	24 VDC, 2.5 A ± 25% PoE+ (802.3at)
Power Consumption	24 VDC, 2.5 A ± 25%: Basic: 13 W, Max: 25 W (illuminator + PTZ) , PoE+ (802.3at): Basic: 13 W, Max: 25 W (illuminator + PTZ)
Casing	Metal
Dimension	337.4mm × 209mm
Weight	5.9 kg

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Dimensions (mm/inch)



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