

CP-UNP-F4551L30-DPQ

5MP WDR 45x IR Network PTZ Camera- 300 Mtr.



- 1/2.8" 5MP PS CMOS Image sensor (0.9071 centimeter)
- Max. 5MP (2960 × 1668)@1–25fps
- Powerful 45x Optical and 16x Digital zoom
- AI Instastream, Instastream, H.265, H.264, H.264H, H.264B, MJPEG
- Support Triple Stream
- WDR(120dB), 2D NR/ 3D NR, Day/Night(ICR), 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.

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

Live Viewing

Unlike some, this technology enables you to record the picture feed but view it live as well at your convenience. On top of that, the advantages of high-resolution video recording are numerous.

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.

Instastream

This camera has been designed with the latest and most efficient innovation among the standard video compression designs. Smart encoding algorithms developed by CP PLUS help in saving up to 70% more bandwidth than H.265 along with making it more beneficial for minimizing bandwidth and storage costs. It enhances video coding efficiency while providing high resolution and the rate of frame in the video using Intelligent Region Perception to detect motion in each frame.

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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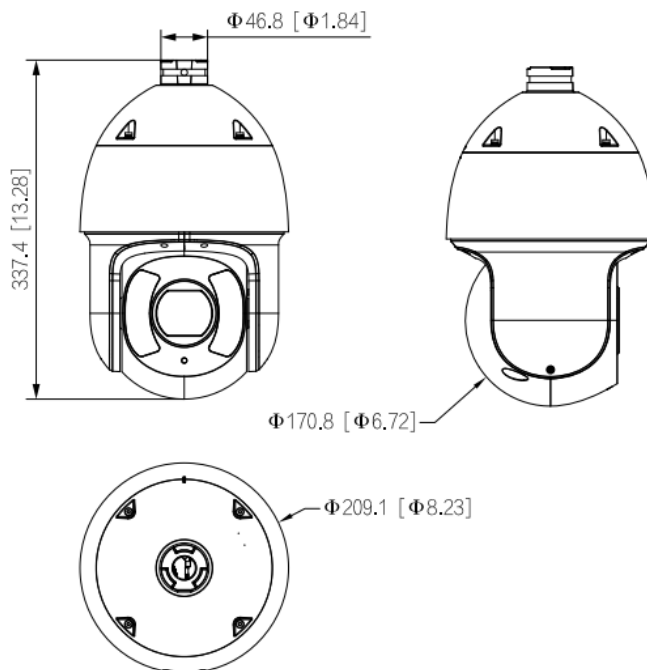
Feature	Specification
Image Sensor	1/2.8" 5MP PS CMOS Image sensor (0.9071 centimeter)
Effective Pixels	2960(H) x 1668(V)
Minimum Illumination	0.005 lux@F1.6 (Color, 30 IRE), 0.0005 lux@F1.6 (B/W, 30 IRE), 0 lux@F1.6 (IR on)
Focus Control	Auto/Semi-Auto/Manual
RAM	512 MB
ROM	256 MB
White Balance	Auto, Indoor, Outdoor, ATW, Manual, Sodium lamp, Natural, 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

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	IR Range of 300 Mtr.
IR Number	6 IR
IR Control	Zoom Prio, Manual, Auto, Off
Day/Night	Electronic/ICR (Auto/Color/B/W)
Gain Control	Auto/Manual
Video Format	PAL
OSD	Camera title, Date & Time, PTZ Coordinate, Zoom, North, Pattern, Temperature, Preset, Location, Input Text, Text Alignment, Privacy Masking, Time Title, Font Properties, Custom Title, Exception Overlay
Video Compression	AI Instastream, Instastream, H.265, H.264, H.264H, H.264B MJPEG (Sub Stream)
Stream Capability	Triple Stream
Resolution	5MP (2960 × 1668), 4MP (2688 × 1520)/ (2560 × 1440), 3MP (2304 × 1296), 2MP (1920 × 1080), 1.3MP (1280 × 960), 720p (1280 × 720), D1 (704 × 576), VGA (640 × 480), CIF (352 × 288)
Frame Rate	Main stream: 5MP (2960 × 1668)@1–25fps, 4MP (2688 × 1520)@1–25fps/ (2560 × 1440)@1–25fps, 3MP (2304 × 1296)@1–25fps, 2MP (1920 × 1080)@1–25fps, 1.3MP (1280 × 960)@1–25fps, 720p (1280 × 720)@1–25fps Sub stream 1: D1 (704 × 576)@1–25fps, VGA (640 × 480) @1–25fps, CIF (352 × 288)@1–25fps Sub stream 2: 720p (1280 × 720)@1–25fps
Bit Rate	H.265:1024-7168 (Kb/s), H.264:2560-8192 (Kb/s)
Bit Rate Control	CBR/VBR
Motion Detection	Support
ROI	Support
Noise Reduction	2D NR, 3D NR
Analog Output	1 Channel (CVBS output, BNC)
Audio In	1 Channel
Audio Out	1 Channel
Audio Compression	PCM, G.711a, G.711Mu, G.726, AAC, MPEG2-Layer2, G722.1
Alarm IN	7 Channel
Alarm Out	2 Channel

Feature	Specification
Alarm Linkage	Capture, Recording, Send email, Preset, Tour, Pattern, Alarm digital output
Tracking Trigger Event	Crossing virtual fence, Tripwire, Intrusion, Abandoned Object, Fast Moving, Parking Detection, Loitering Detection
Alarm Event	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
User/Host	20 (total bandwidth: 64 Mbps)
Ethernet	1 × RJ-45 (10/100 Base-T)
Protocols	IPv4, IPv6, HTTP, HTTPS, ARP, RTSPS, SMTP, SFTP, DHCP, DNS, UPnP, NTP, NFS, PPPoE, SNMP V3, TLS Version 1.2, TLS Version 1.3, ICMP, IGMP, RTMP, ONVIF (Profile S, Profile G, Profile T), Unicast, Multicast
Device Search Tool	IP finder
OTA (Over-The-Air)	Support
SDK and API	Support
IVS (Perimeter Protection)	Crossing Virtual Fence, Tripwire, Intrusion, Object Abandon, Fast Moving, Parking Detection, Crowd Gathering, Missing Object, Loitering Detection, Calibration Verification, Face Detection
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
RS-485	1(Bit range: 1200 bps–9600 bps)
Storage	SFTP, NAS, Mirco SD card (Max. 512GB)
Browser	Microsoft Edge and Chrome
Certificates	ISO 9001: 2015, ISO 20000-1 : 2018, CE, FCC and RoHS, BIS, STQC approved compliance report
Weatherproof Standard	IP67, IK10, TVS 6000 V lightning proof, surge protection, voltage transient protection
Power Source	24 VDC, 2.5 A ± 25% PoE+ (802.3at)
Power Consumption	Basic: 13 W Max: 25 W
Operating Temperature	–40 °C to +70 °C
Operating Humidity	≤ 95% RH, Non condensing
Casing	Metal
Dimension	337.4mm × 209mm
Weight	5900g

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Dimensions (mm/inch)



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