≋ CP PLUS

CP-UNP-E3221L15H-DFP

2MP WDR 32x IR Network PTZ Camera- 150 Mtr.

- 1/2.8" 2MP CMOS Image sensor (0.9071 centimeters)
- Max. 25/30fps@2MP
- Powerful 32x Optical zoom and 16x Digital zoom
- WDR(120dB), 2D/3D-NR, Day/Night (ICR), EIS, Electronic Defog, ROI, AGC, AWB, BLC, HLC
- Up to 300 Presets, 5 Auto scan, 8 Tour, 5 Pattern
- Support Starlight Technology
- IR Range of 150 Mtr.
- Max 300° /s pan speed, 360° endless pan rotation
- Deep-learning-based auto tracking 3.0 and perimeter protection
- SMD 4.0
- Built-in 2/1 alarm in/out, IP67, IK10, Micro SD Card, PoE+
- Support Face Detection
- Mobile Software: iCMOB, gCMOB
- CMS Software: KVMS Pro

1/2.8" CMOS	2MP 1080P	WDR Wide Dynamic Range	IP67	I C R	AGC Auto Gain Control	Automatic White Balance	Backlight Compensation

System Overview

Understanding the need of the hour in the security and surveillance industry, this series has been integrated with the starlight technology along with efficient and powerful deep-learning algorithms to make your life hugely easier. The numerous AI-based smart functions of this camera let you capture a face, protect the perimeter and even count people, greatly improving the accuracy of your video analysis. This camera also complies with international certification standards such as IP67 and IK10, as this camera is not just dust-proof and water-proof but also shock-proof and vandal-proof (which is given in selected models).

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.

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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.

Smart Motion Detection (SMD Plus)

CPPLUS has introduced Smart Motion Detection, AI-based SMD, which use an advanced algorithm to differentiate human and vehicular shapes within a scene and send alarms only when a person or vehicle is detected.

Face Detection

With the help of the deep learning algorithm that is used in this technology, people can easily be detected, tracked, recorded, and captured. It takes only a second to detect one human face. Face detection is useful in cameras to help with auto-focus. This technology is mainly used to identify the presence of a human face.

Smart Analytical Support

Using an advanced algorithm, smart analytical technology lets you set a multitude of safety parameters and sends you alerts when any of those parameters have been compromised. Not just when there's an occurrence of tripwire or intrusion, but also in the cases of missing or abandoned objects.

Auto-Tracking

This technology enables you to control the pan/tilt/zoom actions in your camera in varying proportions to let you automatically and continuously track an object in the scener that is in motion or is moving. This function comes with the option of automatic or manual tracking depending on the condition to make it more efficient. This is done on the basis of predefined rules. Once such a rule is triggered, the camera can take over on its own and can track the defined target automatically.

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.

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.

CP PLUS

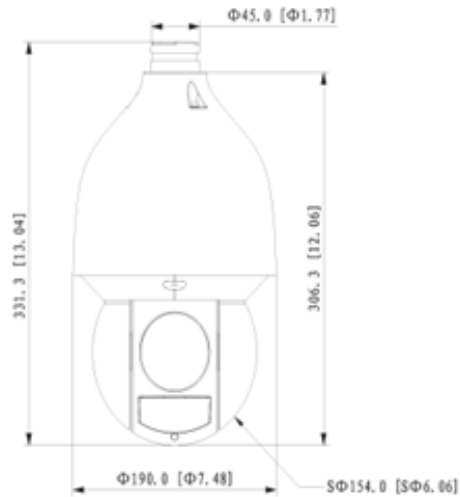# CP-UNP-E3221L15H-DFP

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Feature	Specification
Image Sensor	1/2.8" PS CMOS (0.9071 centimeters)
Effective Pixels	1920 (H) × 1080 (V), 2 Megapixels
S/N Ratio	≥55dB
RAM & ROM	1GB & 4GB
Minimum Illumination	Color: 0.005 lux@F1.3 B/W: 0.0005 lux@F1.3 0 lux (IR light on)
Max. Aperture	F1.5–F4.0
Focal Length	4.5mm ~ 144mm
White Balance	Auto/Indoor/Outdoor/Tracking/Manual/Sodium lamp/Natural light/Street lamp
Focus Control	Auto/Semi-Auto/Manual
Close Focus Distance	0.1m - 1.5m
Iris Control	Auto/Manual
DORI Distance	1986m (Detect), 785m (Observe), 398m (Recognize), 198m (Identify)
Angle of View	H: 58.4°–3.0°; V: 33.4°–1.7°; D: 66.4°–3.4°
Electronic Shutter	1/1s~1/30,000s
AGC control	Auto / Manual
Back Light Compensation	BLC / HLC / WDR(120dB)
Optical Zoom	32x
Digital Zoom	16x
Pan Travel	0°~360° endless, Pan Speed: 0.1° ~300° /s
Tilt Travel	-15° ~ +90°,auto flip 180°, Tilt Speed: 0.1° ~200°/sec
Manual Speed	Pan: 0.1° ~300° /s; Tilt: 0.1° ~200° /s
Presets	300
Preset Speed	Pan: 400° /s; Tilt: 300° /s
Power-off Memory	Support
Bit Rate	H264: 64 kbps–10496 kbps ; H265: 25 kbps–6400 kpbs
Special Features	Electronic Defog, Up to 300 Presets, 5 Pattern, 8 Tour (up to 32 presets per tour), 5 Auto Scan

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Feature	Specification
IR Range	IR Range upto 150 Mtr.
IR Number	4
Privacy Masking	Up to 24 areas, and up to 8 areas in the same view
Idle Motion	Preset/Tour/Pattern/Scanning
Day/Night: IR Cut Filter	Auto (ICR) / Color / B/W
Video Compression	H.265; H.264H; H.264B; H.264; MJPEG (Sub Stream 1); Smart H.264+
Encode Strategy	Instastream
Streaming Method	Unicast/Multicast
Resolution	1080p (1920 × 1080); 960p (1280 × 960); 720p (1280 × 720); D1 (704 × 576); VGA (640 × 480); CIF (352 × 288)
Video Streaming	Main stream: 1080p/1.3M/720p@ (1–25/30 fps) Sub stream 1: D1/VGA/CIF@ (1–25/30 fps) Sub stream 2: 720p@ (1–25/30 fps)
Audio Compression	PCM; G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; G723
Two-way Audio	Support
Motion Detection	Support
ROI	Support
SMD	Support
Image Rotation	180°
Image Stabilization	Electronic (EIS)
Quick Pick	Support
Audio Streaming	1/1 channel In/Out
Auto Tracking	Support
Alarm	2/1 channel In/Out
Alarm Linkage	Capture; recording; send email; preset; tour; pattern; alarm digital output
Face Detection	Supports face detection, optimization, tracking, capturing pictures, uploading high-quality face snapshots, and face enhancement; Supports attributes extraction. 6 attributes and 8 expressions: Gender, age, glasses, expressions (angry, sad, hate, scary, surprise, calm, happy and confused), mask, mustache; Supports face cutout: Face, one-inch photo. Capturing strategies include real-time capturing, optimization, and quality first.
Alarm Event	Motion/Tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection

Feature	Specification
Perimeter Protection	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification; linkage tracking
Protocols	FTP; RTMP; IPv6; IPv4, SNTP, TLS, 802.1x, AES Encryption Bonjour; DNS; RTCP; PPPoE; NTP; RTP; 802.1x; HTTPS; SNMP; TCP/IP; DDNS; UPnP; NFS; ICMP; UDP; IGMP; HTTP; SSL; DHCP; SMTP; Qos; RTSP; ARP; CGI; SDK; ONVIF (Profile S&G&T); InstaOn Cloud
Networking	RJ-45 (10/100Base-T)
Browser	IE 9 and later versions Chrome 41 and later versions Firefox 50 and later versions iOS 10 and later versions
User/ Host	20 (total bandwidth 64M)
Operating Temperature	-40°C ~ +70°C
Operating Humidity	≤95%
Smart Phone	iPhone, iPad, Android Phone
Memory Slot	Micro SD card (Up to 512 GB); FTP; NAS
Weather Proof Standard	IP67; IK10; TVS 6000V lightning proof; surge protection; voltage transient protection
Dimension	332 mm × Φ190 mm (13.07" × Φ7.48")
Power Source	24 VDC, 2.5 A (± 25%) PoE+ (802.3at)
Power Consumption	Basic: 10 W Max.: 22 W (IR On)
Weight	4.7kg

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Dimensions (mm/inch)

Φ45.0 [Φ1.77]

331.3 [13.04]   306.3 [12.06]

Φ190.0 [Φ7.48]   SΦ154.0 [SΦ6.06]

Accessories : Optional

CP-UA-B3P

Pole Mount Bracket

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