

# CP-VNC-E51R1C-VMD

## 5MP WDR IR Network Fisheye Camera

- 1/2.8" 5Megapixel PS CMOS Image Sensor (7.112 cm)
- Max 30fps@5MP
- Ultra 265, H.265, H.264,MJPEG triple-stream encoding
- WDR(120dB), Day/Night (ICR), 2D/3D-DNR, Digital Defog, ROI, AWB, AGC, BLC
- 1.4mm lens
- Panoramic view
- Built-in omni directional microphone
- Ultra wide angle lens, 360° Panoramic Image
- IR Range of 10 Mtrs, Micro SD Card, IP66, IK10, PoE
- Support Instastream technology, save disk space and bandwidth upto 70%
- Mobile Software: Android, iOS
- CMS Software: IVMS



### System Overview

This Fisheye series has been crafted using the Panamorph technology, which is a revolutionary 360° solution to various applications. There are two major components that make the Panamorph technology a potential leader in its field, which are the patented Panamorph optics and the viewing functionality for optimal 360° image quality. The Panamorph technology helps remove distortion from magnified zones and the viewing functionality enables the complete 360° immersive navigation within a live or recorded video.

### Functions

#### Ultra H.265

H.265 is the latest innovation among the standard video compression designs. This technology is beneficial for minimizing storage costs and provides big savings on resolution and the rate of frame in the video through the use of Intelligent Region Perception to detect motion in each frame.



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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.

#### Power over Ethernet

This product uses the latest PoE technology to troubleshoot the occurrence of any issues in the system making it easier to use. With the help of this technology, your camera now only consumes energy directly from the power supply and doesn't require any mid-way switches.

#### 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.

#### 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" 5Megapixel PS CMOS Image Sensor (7.112 cm)
Minimum Illumination	Colour: 0.01Lux (F2.0, AGC ON) 0Lux with IR
Shutter Speed	Auto/Manual, Shutter Time: 1~1/100000s
White Balance	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2
Flip	Normal/Flip Vertical/ Flip Horizontal/180°
Wavelength	850nm
Lens	1.4mm
S/N	>55dB
DORI Distance	1.4mm– 31.5m (Detect) 12.6m (Observe) 6.3m (Recognize) 3.2m (Identify)
Back Light Compensation	BLC/ WDR(120dB)
Gain Control (AGC)	Auto/Manual
Video Compression	Ultra 265, H.265, H.264, MJPEG
Angle of View	360°
Video Output	1 BNC, impedance 75Ω; amplitude 1V [p-p]
Motion Detection	Up to 4 areas
Noise Reduction	2D/3D-DNR
Video Streaming	Main Stream : 5MP (2592x1944), Max 30fps; Sub Stream: 1080P (1920x1080), Max 30fps; Third Stream: D1 (720x576), Max 30fps
Privacy Mask	Up to 8 areas
ICR	IR-cut filter for day & night function
ROI	Up to 8 areas
Video Bit Rate	128Kbps ~ 16Mbps
Audio	Two way Audio
Audio Input	1 Input: impedance 35kΩ; amplitude 2V [p-p]
Audio Output	1 output: impedance 600Ω; amplitude 2V [p-p]

Feature	Specification
Built-in Mic	Supported
Omnidirectional Microphone	3 built-in omnidirectional microphone
Audio Compression	G.711
Suppression	Supported
Sampling Rate	8KHZ
Alarm IN	1 channel
Alarm Out	1 channel
OSD	Up to 8 OSDs
Mount Type	Support table, wall, and ceiling
Protocol	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, ONVIF (Profile S, Profile G, Profile T), API
General Function	Watermark, IP address filtering, tampering alarm, alarm input, alarm output, access Policy, ARP protection, RTSP authentication, user authentication
Ethernet	1 x RJ45 10M/100M Base-TX Auto-adaptive Ethernet
Smart Phone	iPhone, iPad, Android Phone
IR	IR Range of 10 Mtr., Smart IR
Micro SD	Micro SD, up to 256GB
Network Storage	ANR, NAS(NFS)
Operating Temperature	-40°C~ 60°C (-40°F ~ 140°F), Humidity: ≤95% RH
Storage Temperature	-40°C~ 60°C (-40°F ~ 140°F), Humidity: ≤95% RH
Power Source	DC 12V±25%, PoE (IEEE 802.3af)
Power Consumption	Max 8.9W
Weatherproof Standard	IP66 & IK10
Dimension	Φ125 x 43.7mm (Φ4.9" x 1.7")
Reset Button	Supported
Surge Protection	6KV
Casing	Metal + Plastic
Weight	0.39kg

Dimensions (mm/inch)

