

# CP-VNP-3321R50-DAS

2MP 33x WDR IR Network Laser PTZ Camera - 500 Mtr.

- 1/2.8" 2MP Progressive scan CMOS Image Sensor (7.112cm)
- Max. 2MP (1920x1080), Max 60fps
- Powerful 33x Optical Zoom
- Support Starlight Technology
- Ultra 265, H.265, H.264, MJPEG Triple streams Encoding
- WDR(120dB), 2D/3D-DNR, Day/Night (ICR), EIS, Digital Defog, AWB, ROI, BLC, HLC
- Up to 1024 Presets, Preset patrol, route patrol, recorded patrol
- Laser Range of 500Mtr., Micro SD Card
- Max 240°/s pan speed, 360° endless pan rotation
- Built-in 1/1 alarm in/out, IP66
- Mobile Software: Android, iOS
- CMS Software: IVMS



## System Overview

This Series has been developed mainly to present the PTZ cameras that have been designed to submerge into the surface and keep a secret eye on the scene. This Series obeys the notion of stealth surveillance, while at the same time, expanding the image quality through using the wide dynamic range technology, which provides a balanced lighting and clears distortions.

## 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.

#### 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.

#### 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.

### 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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Mtr.

Feature	Specification
Image Sensor	1/2.8", 2MP, Progressive scan, CMOS (7.112cm)
S/N Ratio	>52dB
Minimum Illumination	Colour: 0.002Lux (F1.6,AGC ON) 0Lux with IR
Focal Length	4.5~ 148.5mm
DORI Distance	4.5mm- 69.8m(Detect) 27.9m(Observe) 14m(Recognize) 7m(Identify) 148.5mm– 2304.3m(Detect) 921.7m(Observe) 460.9m(Recognize) 230.4m(Identify)
Angle of View	62.67° ~ 2.82°(H), 38.4° ~ 1.3°(V), 77.1° ~ 3.3°(O)
Shutter	Auto/Manual, shutter time: 1 ~ 1/100000 s
Iris	Auto/Manual; F1.6 ~ F5.3
AGC control	Auto / Manual
Back Light Compensation	BLC / HLC / WDR(120dB)
Optical & Digital Zoom	33x - Optical; 16x - Digital
Defog	Digital Defog
Pan Travel	360° endless, Pan Speed: 0.1°/s ~ 240°/s
Tilt Travel	-15° ~ 90°(auto reverse), Tilt Speed: 0.1° ~ 160°/s
Patrol	Preset patrol, route patrol, recorded patrol
Presets	1024
Preset Speed	Pan: 300° /s; Tilt: 240° /s
Video Output	N/A
Privacy Masking	Up to 24 areas
OSD	Up to 8 OSDs
ROI	Up to 8 areas
Motion Detection	Up to 4 areas
EIS	Supported
Home Position	Supported

Feature	Specification
Laser Range	Laser Range of 500 Mtr., Built-in VF laser IR
Day/Night	IR-cut filter with auto switch (ICR)
Video Compression	Ultra 265, H.265, H.264, MJPEG
Video Streaming	Main Stream: 2MP (1920x1080), Max 60fps ; Sub Stream: 2MP (1920x1080), Max 60fps; Third Stream: D1 (720x576), Max 60fps
Two-way Audio	Supported
Audio Compression	G.711
Audio Input	1 Input: impedance 35kΩ; amplitude 2V [p-p]
Audio Output	1 Output: impedance 600Ω; amplitude 2V [p-p]
Alarm I/O	1/1 Ch. In/Out
Suppression	Supported
Sampling Rate	8 KHZ
Networking	1 RJ45 10M/100M Base-TX Ethernet
Protocols	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
Behaviour Detection	Line crossing detection, Intrusion detection, Auto tracking, Master-slave Linkage
Smart Detection	Object Moving, Object Left, Face detection, Audio detection, Motion detection, People counting
Edge Storage	Micro SD, up to 256GB
Network Storage	ANR
Operating Temperature	-40°C ~ 70°C (-40°F ~ 158°F), Humidity: ≤95% RH (non-condensing)
Smart Phone	iPhone, iPad, Android Phone
Weather Proof Standard	IP66
Dimension (Ø x H)	Ø227 x 359.4mm (Ø8.9" x 14.2")
Power Source	AC 24V±25% (default power supply), DC 24V±25%, PoE (PSE Required)
Power Consumption	8 ~ 47W
Weight	5.6kg
Reset Button	Supported
Surge Protection	6KV

Dimensions (mm/inch)

