vantage
keeping you safe

ULTRA HIGH DEFINITION
8 MP IP DUAL LENS CAMERA

VP-NC92318PD-AF3IRT1
180° FULL COLOR PANORAMIC CAMERA

FEATURES

Ultra High Definition 8MP (4096X1800) resolution

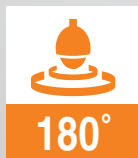Panoramic 180° wide angle view with dual fixed lenses

H.265+/H.265/H.264+/H.264/ MJPEG compression

Inbuilt DWDR, 3D DNR, BLC, HLC, privacy mask functions

Two way audio with built-in MIC and speaker

Supports smart video analytics

IP67 weather proof enclosure

1/2.5" Progressive Scan CMOS Sensor	Backlight Compensation	SD Card	DWDR	180°

Onvif (UL) CE FC RoHS

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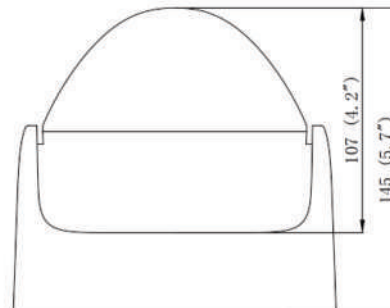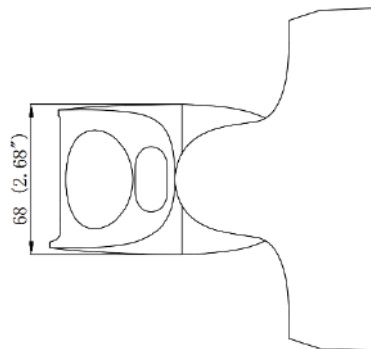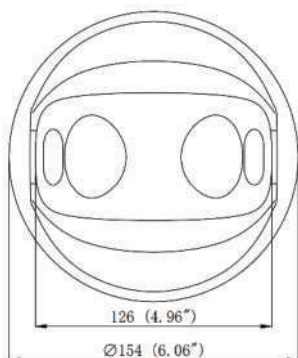|		
Camera	Image sensor	1/2.5" progressive scan CMOS dual sensors
	Signal System	PAL/NTSC
	Effective Pixels	4096 (H) × 1800 (V) (stitched mode)
	Minimum Illumination	Color 0.005Lux @ (F1.1, IRE 50) B/W:0.0005 Lux@ (F1.1, IRE 50); 0Lux@(IR LED ON)
	Electronic Shutter Speed	50Hz: 1/25 s – 1/25,000 s; 60Hz: 1/30s-1/30,000s
	Gain Control	Auto/ Manual
	White Balance	Auto/Manual/Indoor/Outdoor
	Signal to Noise	> 52 dB
Lens	Lens Type	3.5 mm dual fixed lens
	Mount	M12 optical distortion <15%; x 2 sets
	Aperture	Fixed, F1.11
Panoramic	Video Stitch Mode	Supported
	Stitch FOV	Horizontal FOV:180°±5%; Vertical FOV: 65°±5%
	Working Range	Best stitch mode working distance is from 1m to 10m. When out of this range, there may slight gaps.
Day/Night Functionality	Day & Night	True Day & Night with ICR
	Light Range	Warm white light 20m
	IR CUT type	Fixed, white light pass only
	Smart Brightness	Yes, facial priority
Compression	Video Compression	H.265+/H.265/H.264+/H.264/MJPEG
	H.265 Standard	H.265/HEVC codec MP, level 5.0
	Audio Compression	G.711 A/U
	Audio Bit Rate	64kbps
	Video Bit Rate	64 Kbps ~ 16Mbps
Resolution and Frame Rate	Max. Resolution	4096 x1800
	Main Stream	50Hz:(4096x1800, 3840x1680,2880x1264,1920x1080,1280x720) 20fps; 60Hz:(4096x1800, 3840x1680,2880x1264,1920x1080,1280x720) 20fps
	Sub Stream	50Hz: (1280x720, 704x576, 640x240) 20fps; 60Hz: (1280x720, 704x480, 640x240) 20fps
	Third Stream	50Hz:(1280x720,704x576, 640x240, 480x240)25fps; 60Hz:(1280x720,704x480, 640x240, 480x240)30fps
Operational Features	Wide Dynamic Range	DWDR
	HLC	Supported
	3D DNR	Auto/Manual
	Image Settings	Saturation, Brightness, Contrast, Sharpness, AGC, etc. adjusted by client
	BLC	Supported
	Digital Zoom	8x
	Day & Night Control	Auto/Manual, time schedule
	Privacy Masking	8 areas, up to 8 masks in the same frame
	OSD Overlay	Max 15 characters/line, 8 lines, white or red font color
	Picture Overlay	Logo picture could be overlaid on video with 128x128pixels,24bits JPG format
	Iris Control	Auto/Manual
	Angle Adjustment	Vertical -5~+5°; Rotation ±75°
	Security Measures	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption, IEEE802.1x port-based network access control; IP address filtering,basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, security audit log, TLS 1.2
	Onboard Storage	Built-in memory card slot, support microSD/SDHC/SDXC, up to 256G
	Alarm Trigger	Alarm actions, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card, Send Email, etc.

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Audio Module	Microphone	One built-in microphone, Omnidirectional ,2KΩ, -36dB@1KHz Sensitivity, THD 115dB SPL@1KHz
	Speaker	One built-in speaker, 4Ω, 2W Nom,750Hz LFR, 100dB@0.1m
	Predefined voice	Support customized predefined voice track. Max 10 tracks. One way talk.
Network & Remote Monitoring	Protocols	HTTP, HTTPS, IPv4/IPv6, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, DHCP, PPPoE, P2P, SSL/TLS
	System Compatibility	ONVIF, Profile G/S/T
	CMS	Full function CMS (Central monitoring software)
	Mobile Client Application	Supports android and iOS APP for Smart phone and tablets
	Bandwidth control	CBR / VBR
	User Access	Up to 16 users, three levels: Administrator, Advanced User & Normal User
	Web Browser	IE8-11 with plug-in; Edge, Chrome, Firefox with plug-in free
Analytics Features	Basic Event	Motion detection, video tampering alarm, alarm input, alarm output, exception (Network disconnected, IP address conflict, SD full, SD error)
	Smart Features	Line crossing detection, intrusion detection, region entrance detection, region exiting detection (ver5.1.1), face comparison Face capture, Support alarm triggering
	Road Traffic	Support vehicle detection and capture(ver5.1.1)
Interface	Ethernet	1 RJ45 10M/100M Adaptive Ethernet
	Power Input	Standard DC Jack
	Alarm Interface	1 Alarm input (Dry contact); 1 Alarm output
	Aux. Audio Interface	1ch LINE IN, 2.0-2.4Vpp, impedance 1KΩ; 1ch LINE OUT, impedance 600Ω
	Reset Button	Supported
	Frost Removal	Desiccant, vacuuming
	Water Removal	Lotus anti-water lens cover coating
Electrical	Power Requirement	DC12V±15% 1500mA. Or PoE (802.3.af, class 1)
	Power Consumption	Avg. 4watt. Max 12watt. (speaker on+ white light on)
Environmental	Enclosure	IP67, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
	Power Consumption	Max 50W, include IR and Heater on
	Impact Protection	IK10
	Operating Temperature	Day:-40°C~55°C; Night: -40°C ~40°C; Cold start>=-30°C (1 hour waiting)
	Operating Humidity	95% or less (non-condensing)
Mechanical	Material	Main-body: Aluminum Alloy, Lens Cover: Polycarbonate
	Dimensions	Φ 154mm x 145mm
	Weight	Approx.1.3Kg
Certifications	Certifications	UL, CE, FCC, RoHS

*Exact products and specifications shown may vary by geographic region and are subject to change without notice. Product image, weights and measurements are approximate and may vary.

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DIMENSIONS
Unit: mm