

ULTRA HIGH DEFINITION 8MP IP NETWORK PTZ CAMERA

VP-NC9918P-AZ50IR8T1
IR Night Vision High Speed PTZ Dome Camera



FEATURES

Ultra high definition 8MP (3840×2160) resolution

1/1.8" progressive scan CMOS Sensor

Inbuilt 2D/3D DNR, HLC, HDR, BLC & Defog functions

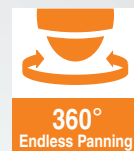
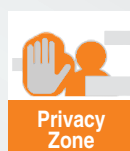
Support H.265+/H.265/H.264+/H.264, MJPEG video compression

50x Optical zoom

360° endless panning

Inbuilt IR LEDs for 500 mtrs light distance

IP67 Weather proof outdoor enclosure



TECHNICAL SPECIFICATIONS

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Camera	Memory	1GB DDR, 4GB emmc			
	Image sensor	1/1.8" progressive CMOS (SONY IMX678)			
	Signal System	PAL/NTSC			
	Effective Pixels	3840x2160			
	Minimum Illumination	Color:0.0013 Lux @ (F1.4,AGC ON);B/W:0.00026 Lux @ (F1.4, AGC ON). 0Lux with IR			
	Electronic Shutter Speed	1/1 s - 1/30,000s, support slow shutter			
	Signal to Noise	> 52 dB			
	Gain Control	Auto / Manual			
	White Balance	Auto/Manual//Indoor/Outdoor			
	Iris control	Auto/Manual			
Lens	Lens Type	5.3mm to 265mm			
	Field of View	Horizontal: 65.3° ~1.7° (wide-tele),Vertical: 38.6° ~ 1° (wide-tele), Diagonal: 72.9° ~ 2° (wide-tele)			
	Zoom Speed	Approx. 7s (optical zoom, wide-tele) ±5%			
	Zoom	50x Optical Zoom			
	Focus Control	Auto, Manual (Near/Far)			
	Aperture Range	F1.4~F4.2(wide-tele)			
	Iris Type	P-IRIS, 10 slices, IRIS Diaphragm			
Dori	Focus length	f=5.3mm	f=265mm	f=5.3mm	f=265mm
	Detect	78.6m (258 f.t.)	3,270m (10,728 f.t.)	114m(374 f.t.)	4,742m(15,558 f.t.)
	Observe	31.2m (102 f.t.)	1,298m (4,259 f.t.)	45.2m(148 f.t.)	1,706m(5,597 f.t.)
	Recognize	15.8 m (52 f.t.)	654m (2,146 f.t.)	22.8m(71 f.t.)	948.4m(3,112 f.t.)
	Identify	7.9m (26 f.t.)	327m (1,073 f.t.)	11.4m(37 f.t.)	474.2m(1,556 f.t.)
Compression	Video Compression	Mainstream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264/MJPEG			
	H.264 Standard	H.264/AVC codec BP/MP/HP, Level 5.1			
	H.265 Standard	H.265/HEVC codec MP, level 5.0			
	Video Bit Rate	32 Kbps to 16Mbps			
	Audio Compression	G.711 A/U			
	Audio Bit Rate	64K bps			
Resolution and Frame Rate	Max. Resolution	3840x2160			
	Main Stream	50Hz/25fps:3840x2160,2560x1440,1920x1080,1280x960,1280x720 60Hz/30fps:3840x2160,2560x1440,1920x1080,1280x960,1280x720			
	Sub Stream	50Hz/25fps:704 × 576, 640 × 480, 352 × 288. 60Hz/30fps :704x 480, 640 × 480, 352 × 240			
	Third Stream	50Hz/25fps :1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288. 60Hz/30fps :1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240			
Day/Night Functionality	Day & Night	True Day & Night with ICR			
	IR Cut	Removable IR CUT filter(Reflection type)			
	Illuminator Type	12pcs of IR LED and IR VCSEL, total 6 groups, auto match zoom ratio			
	Smart IR	Yes. Support facial priority and ANPR priority (optional)			
	Light distance	500 Mtrs			
Pan-Tilt	Pan Angle	360° endless pan rotation			
	Pan Speed	Configurable, from 0.1~180°/s; Preset speed: 240°/s			
	Tilt Range	From -20° to 180°, auto flip at 90°			
	Tilt Speed	Configurable, from 0.1~150°/s, Preset speed: 150°/s			
	Presets	360			
	Proportional Zoom	Supported			
	Cruise	8 cruises, up to 16 presets for each cruise			
	Trace	4 traces, record time over 3 minutes for each trace			
	Power-off Memory	Supported			

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	PTZ position display	Supported
	3D Positioning	Supported
	Scheduled Task	Preset/Cruise/Trace/Random Scan/Boundary Scanning /Dome reboot
	Action mode	Preset/Cruise/Trace/Auto Scan/Random Scan
Operational Features	Digital Zoom	8X
	Privacy Mask	4 areas per scene (ver5.1.) ,8areas per scene ,total 24 areas (ver5.1.3)
	Picture overlay	Logo picture could be overlaid on video, 16x16,24x24,32x32,48x48, 64x64,96x96,128x128 pixels
	Image Enhancement	BLC, HLC, HDR
	Day & Night Control	Auto Mode (ambient brightness threshold and delay time adjustable), manual mode, scheduled-switch, timer
	Noise Reduction	2D/3D DNR, auto/manual
	OSD Overlay	Max 15 characters/line, 8 lines, white or red font color, text such as week, date, time
	Codec Streaming Capability	Triple streaming
	Image Settings	Saturation, brightness, contrast, sharpness, AGC, AWB, etc. adjusted by client
	Security	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption, IEEE802.1x port-based network access control; IP address filtering
	Onboard Storage	One Micro SD slot and chamber, up to 256G
	Alarm Linkage	Alarm actions, such as preset, cruise, trace, memory card video record, trigger recording, notify surveillance center, upload to FTP/memory card, send email, etc.
	Basic Event	Motion detection, video tampering alarm, alarm input, alarm output, exception ((Network disconnected, IP conflict, SD full, SD error)
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, RTMP,TLS1.2
	System Compatibility	ONVIF
	CMS	Full function CMS (Central monitoring software)
	User / Host	Up to 16 users, 3 levels: Administrator, Advanced User and Normal User
	Mobile Client Application	Supports android and iOS APP for Smart phone and tablets
	Bandwidth control	VBR (Automatic) and CBR (Manual) supported
	Web Browser	IE8-11 with plug-in; Edge, Chrome, Firefox with plugin free
Interface	Ethernet	1 RJ45 10M/100M Adaptive Ethernet
	Audio Input / Output	1CH audio input, 2 to 2.4v[p-p] 1KΩ ±10%; 1CH audio output (line out), impedance: 600Ω
	Alarm input	7CH alarm input (Dry contact)
	Alarm Output	2CH
	RS485	Half-duplex, Pelco-P/D
	Reset button	Supported
Smart Analytics	Smart Detection	Line crossing detection, region entrance detection, object removal detection, intrusion detection, region exiting detection, audio exception detection
	Smart Tracking	Manual/Auto-tracking of human/no-motor vehicle/motorized vehicle(ver5.1.1); Pickup someone to track(ver5.1.3)
	Face Capture	Detecting multiple faces in the same scene. Support detecting, capturing, grading, and output the best
	Face Comparison	(Default off) Yes
	Perimeter Protection	Line crossing, Intrusion, Region entrance, Region exiting. Support alarm triggering by specified type
	Road Traffic	Support vehicle detection and tracking(ver5.1.1).ANPR recognition, vehicles models, colors, etc. (ver5.1.3) (optional)

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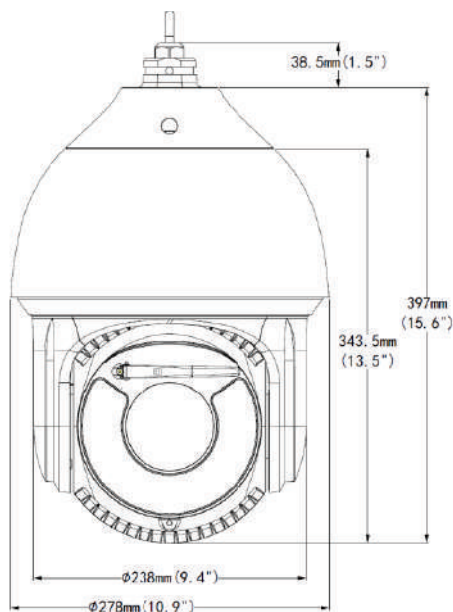
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Electrical	Power Requirement	AC24V±25% 3000mA; PoE 802.3 BT(Class 6)
	Power Consumption	Max. 51 W: IR max 28 W ,Heater max 20W
	Electric Fan & Heater	Built-in electric fan for heat sink and glass Frost/Fog removal. Built-in electric heater for cold start
	Water Removal	Electric wipe for water-drops, dust, mud, ice, frost. auto/manual
	Demist	Active electric heating and air loop
Environmental	Enclosure	IP67, TVS 6,000V Lightning Protection, Surge Protection and Voltage Transient Protection
	Impact Protection	IK10
	Working Temperature	-40°C~70°C(-48°F ~ 158°F) IR off; -40°C~50°C, IR on; Cold start>=-40°C (0.5~1.5 hour waiting); 90%RH
	Storage Temperature	-40°C to +70°C
	Operating Humidity	≤ 95% RH
Mechanical	Material	Aluminum Alloy
	Dimensions	Φ 278mm x H443.5mm
	Weight	Approx. 9.4KG
Certification	Certification	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 due to customized solutions & products being offered as per customer requirements.

DIMENSIONS

Unit: mm



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