FULL HIGH DEFINITION
4MP IP PTZ CAMERA

VP-NC9774P-AZ50IR8T1
IR Night Vision High Speed PTZ Dome Camera

FEATURES

Full High Definition 4MP (2560×1440) resolution

1/1.8" Progressive Scan CMOS Sensor

Inbuilt HDR, 3D DNR, HLC, BLC & Privacy mask functions

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

50x ultra zoom with smart tracking

360° endless panning

Inbuilt Smart IR LEDs for 500 mtrs IR range

IP67 Weather proof outdoor enclosure

1/1.8" Progressive Scan CMOS Sensor	500m	Privacy Zone	Wiper	Smart Tracking

TECHNICAL SPECIFICATIONS

Camera	Image sensor	1/1.8" Progressive Scan CMOS Sensor	
	Signal System	PAL/NTSC	
	Effective Pixels	2560 (H) × 1440 (V)	
	Minimum Illumination	Color:0.00065 Lux @ (F1.4, AGC ON):B/W:0.00013 Lux @ (F1.4, AGC ON) 0 Lux with IR	
	Electronic Shutter Speed	50Hz:1/25s-1/25,000s, 60Hz:1/30s-1/30,000s	
	Signal to Noise	> 52 dB	
	Gain Control	Auto / Manual	
	White Balance	Auto/Manual/Indoor/Outdoor	
Lens	Lens Type	5.3 ~ 265mm lens	
	Field of View	Horizontal:65.3° to 1.7°; Vertical: 38.6° to 1°; Diagonal: 72.9° to 2° (wide-tele) ±5%	
	Zoom	50x Optical Zoom	
	Zoom Speed	Approx. 7s (optical zoom, wide-tele) ±5%	
	Aperture Range	F1.4~F4.2(wide-tele), P-IRIS, 10 slices, IRIS Diaphragm, support manual /auto	
DORI	Focus length	f=5.3mm	f=265mm
	Detect	78.6m (258 f.t.)	3,270m (10,728 f.t.)
	Observe	31.2m (102 f.t.) 1,	298m (4,259 f.t.)
	Recognize	15.8 m (52 f.t.)	654m (2,146 f.t.)
	Identify	7.9m (26 f.t.)	327m (1,073 f.t.)
Compression	Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	
	H.265 Codec Profile	H.265/HEVC codec MP, level 5.0	
	Audio Compression	G.711 A/U	
	Video Bit Rate	32 Kbps to 16Mbps	
	Audio Bit Rate	64K bps	
Resolution and Frame Rate	Max. Resolution	2560x1440	
	Main Stream	50Hz/25fps: 2560×1440, 1920×1080, 1280×960, 280×720 60Hz/30fps: 2560×1440, 1920×1080, 1280×960, 280×720	
	Sub Stream	50Hz/25fps:704 × 576, 640 × 480, 352 × 288 60Hz/30fps:704× 480, 640 × 480, 352 × 240	
	Third Stream	50 Hz: 25 fps (1920×1080,1280×960,1280×720,704×576,640×480, 352×288) 60 Hz: 30 fps (1920×1080,1280×960,1280×720, 704×480,640× 480, 352×240)	
Day/Night Functionality	Day & Night	True Day & Night with ICR	
	IR Cut	High performance Mechanical IR Cut Filter with auto switch	
	IR Source	Smart IR with Inbuilt High performance 12pcs of IR LEDs	
	IR Range	Up to 500 Mtrs	
Pan-Tilt	Pan Angle	360° endless pan rotation	
	Tilt Angle	-20° to 180° (Auto Flip)	
	Pan Speed	0.1° ~ 180°/s(Manual), 0.1° ~ 180°/s(Preset)	
	Tilt Speed	0.1° ~ 150°/s(Manual), 0.1° ~ 150°/s(Preset)	
	Presets	360	
	Patrol	8 patrols, up to 16 presets per patrol	
	Trace	4 traces, record time over 3 minutes for each trace	
	Power-off Memory	Supported	
	PTZ Position Display	Supported	
	Scheduled Task	Preset/Cruise/Trace/Random Scan/Boundary Scanning /Dome reboot	
	Action Mode	Preset/Cruise/Trace/Auto Scan/Random Scan	
	Proportional Zoom	Supported	
	3D Positioning	Supported	

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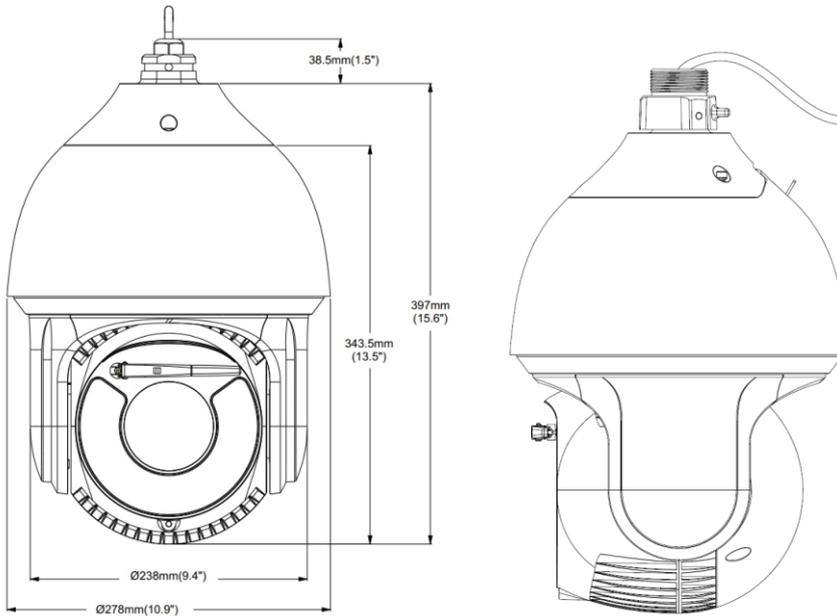|		
Operational Features	Alarm Linkage	Alarm actions, such as Preset, Cruise,Track, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card, Send Email, etc.
	Digital Zoom	16x
	HLC	Supported
	BLC	Supported
	Picture overlay	Logo picture could be overlaid on video, 16x16,24x24,32x32,48x48, 64x64,96x96,128x128pixels
	Iris control	Auto/Manual
	HDR	Supported
	RS485	Half-duplex, Pelco-P/D
	Privacy Mask	4 areas per scene
	3D DNR	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	Flip, Mirror, Saturation, Brightness, Contrast, Sharpness, AGC, and AWB adjusted by client software/browser
	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 MicroSD slot and chamber, up to 256G
	Basic event	Motion detection, video tampering alarm, alarm input, alarm output, exception (Network disconnected, IP address 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, IGMP, ICMP,DHCP, PPPoE, P2P, RTMP
	System Compatibility	ONVIF, Profile G/S/Q/T
	CMS	Full function CMS (Central monitoring software)
	User Access	16 users online with professional authority management
	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
Smart Analytics	Smart Features	Line crossing detection, region entrance detection, object removal detection, intrusion detection, region exiting detection, audio exception detection. Filtering leaf, trees, animals, flags
	Face Capture	Detecting multiple faces in the same scene. Support detecting, capturing grading, and output the best
	Face Comparison	(Default off) Yes
	Smart Tracking	Manual/Auto-tracking of human/no-motor vehicle/motorized vehicle
Electrical	Power adaptor	DC36V3000mA, CE/FC/UL, 0-40℃ AC24V5000mA, CE/FC/UL,-40℃,+70℃ 90W PoE++ Midspan, FCC/UL/GB,-10,+50℃
	Power Consumption	Avg :37W, Max. 51 W: IR max 28 W, Heater max 10W
	Alarm Interface	7CH alarm input (Dry contact); 2CH alarm output
	Audio Interface	1CH audio input, 2 to 2.4v[p-p] 1KΩ ±10%; 1CH audio output (line out), impedance: 600Ω
	Reset Button	Supported
	Electric Fan &Heater	Built-in electric fan for heat sink and glass Frost/Fog removal. Built-in electric heater for cold start
	Wiper	Electric Wiper
	Demist	Active electric heating and air loop

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Environmental	Enclosure	IP67, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
	Impact Protection	IK10
	Operating 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);
	Storage Temperature	-30°C to +60°C
	Operating Humidity	90% or less (non-condensing)
Mechanical	Material	Aluminum Alloy
	Dimensions	Φ 278mm× H 443.5mm
	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

38.5mm(1.5")
397mm (15.6")
343.5mm (13.5")
Ø238mm(9.4")
Ø278mm(10.9")