vantage
keeping you safe

FULL HIGH DEFINITION
4MP IP PTZ Camera

VP-NC9774P-AZ37IR8T1
IR Night Vision High Speed PTZ Dome Camera

FEATURES

Full High Definition 4MP (2560×1440) resolution

1/1.8" Progressive Scan CMOS Sensor

Inbuilt 120dB WDR, 3D DNR, HLC, BLC & Defog functions

Support H.265/H.264 video compression

37x Optical zoom

360° endless panning

Inbuilt IR LEDs for 500 mtrs IR range

IP67 Weather proof outdoor enclosure

1/1.8"
Progressive
Scan CMOS Sensor

FULL HD

120dB WDR

Defog

IP67 Weather Proof

Onvif UL CE FC RoHS

Camera	Image sensor	1/1.8" Progressive Scan CMOS Sensor
	Signal System	PAL/NTSC
	Effective Pixels	2560 (H) × 1440 (V)
	Minimum Illumination	Color: 0.005Lux @ (F1.5,AGC ON); B/W: 0.001Lux @(F1.5,AGC ON); 0Lux with IR
	Electronic Shutter Speed	1/1 s – 1/10,000 s
	Signal to Noise	> 52 dB
	Gain Control	Auto / Manual
	White Balance	Auto/Manual//Indoor/Outdoor
Lens	Lens Type	5.6mm to 208mm
	Field of View	Horizontal: 59.8° ~2.3° (wide-tele),Vertical: 33.6° ~ 1.3° (wide-tele), Diagonal: 68.6° ~ 2.6° (wide-tele)
	Aperture Range	F1.55 ~ F4.5 (wide-tele)
	Zoom	37x Optical Zoom
	Zoom Speed	Approx. 4.4s (optical zoom, wide-tele)
Compression	Video compression	H.265/H.264/MJPEG
	Audio compression	G.711 A/U
	H.265 codec profile	Main profile
Resolution and Frame Rate	Max. Resolution	2560×1440
	Main Stream	50Hz:25fps(2560x1440,2048x1536,1920x1080,1280x960,1280x720) 60Hz:30fps(2560x1440,2048x1536,1920x1080,1280x960,1280x720)
	Sub Stream	25fps (704 × 576, 640 × 480, 352 × 288) 30fps (704 × 480, 640 × 480, 352 × 240)
	Third Stream	25fps (1920×1080,1280×960,1280×720,704×576,640×480,352×288) 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	High performance Mechanical IR Cut Filter with auto switch
	IR Source	Inbuilt High performance IR LEDs
	IR Range	Up to 500 Mtrs
Pan-Tilt	Pan Angle	360° endless pan rotation
	Tilt Angle	-20° to 180° (Auto Flip at 90°)
	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	300
	Patrol	8 patrols, up to 16 presets per patrol
	Tour Pattern	4 Tour patterns
	Power-off Memory	Supported
	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

TECHNICAL SPECIFICATIONS

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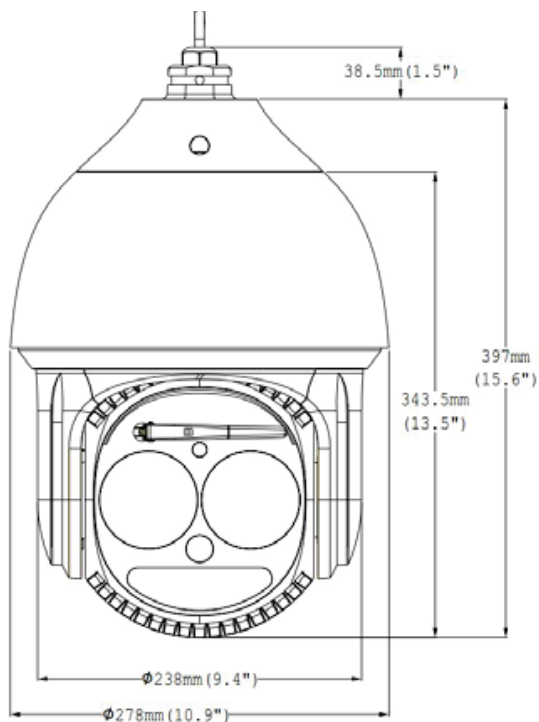|		
Operational Features	Alarm Linkage	Alarm actions, such as Preset, Patrol Scan, Pattern Scan, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card/NAS, Send Email, etc.
	Digital Zoom	16X
	Privacy Mask	4 Programmable privacy masks
	Picture overlay	Logo picture could be overlaid on video with 128x128pixels,24bits BMP format
	Image Enhancement	HLC/BLC/3D DNR/Defog
	WDR	120dB
	Protocols	PELCO-P, PELCO-D, Multi protocol support
	DNR	Inbuilt 3D DNR (Digital Noise Reduction) circuit
	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; IEEE 802.1x port-based network access control; IP address filtering
	Onboard Storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB
	Basic event	Motion detection, video tampering alarm, exception (network disconnected,IP address conflict, SD full, SD error), defocus detection
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
	System Compatibility	ONVIF
	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
	Simultaneous live view	Up to 6 channels
	Web Browser	IE8-11, Chrome, Firefox
Interface	Ethernet	1 RJ45 10/100 Ethernet port
	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 Output	2CH
	RS485	Supported
Smart Analytics	Smart Detection	Intrusion detection, Line crossing detection, Region entrance detection, Region exiting detection, Unattended baggage, detection, Object removal detection, Scene change detection, Support alarm triggering by human or vehicle,filtering, flag/animal, Face Recognize
	Smart Tracking	Manual Tracking, Auto Tracking (human or vehicle by software setting)
Electrical	Power Requirement	AC24V, DC24V,PoE++ (802.3.bt, class 7)
	Power Consumption	MAX. 50W (include IR on, Heater on, Fan working)
Environmental	Enclosure	IP67, TVS 6,000V Lightning Protection, Surge Protection and Voltage Transient Protection
	Impact Protection	IK10
	Operating Temperature	-40°C to +65°C
	Storage Temperature	-40°C to +70°C
	Operating Humidity	90% or less (non-condensing)
Mechanical	Color	White
	Dimensions	Φ 278mm × 435mm
	Weight	Approx. 8.8KG
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.

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DIMENSIONS

Unit: mm

38.5mm(1.5")

397mm
(15.6")

343.5mm
(13.5")

Φ238mm(9.4")

Φ278mm(10.9")