Vantage
keeping you safe

FULL HIGH DEFINITION
4MP IP STARLIGHT PTZ CAMERA

VP-NC9774P-AZ37IR9T1
IR Night Vision High Speed PTZ Dome Camera

Vantage

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

37x Optical zoom with 360° endless panning

Supports high frame rate up to 60fps

Up to 800 meters night vision range

IP67 Weather proof outdoor enclosure

1/1.8" Progressive Scan CMOS Sensor

FULL HD

120dB WDR

Defog

IP67 Weather Proof

TECHNICAL SPECIFICATIONS

VP-NC9774P-AZ37IR9T1

Camera	Image sensor	1/1.8" Progressive Scan CMOS Sensor
	Signal System	PAL/NTSC
	Effective Pixels	2560 (H) × 1440 (V)
	Minimum Illumination	Color: 0.0005Lux @ (F1.2,AGC ON); B/W: 0.0001Lux @(F1.2,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 Type	P-IRIS
Lens	Lens Type	6mm to 222mm lens
	Field of View	Horizontal: 59° ~1.98° (wide-tele),Vertical: 34.14° ~ 1.12° (wide-tele), Diagonal: 67.08° ~ 2.27° (wide-tele)
	Zoom Speed	Approx. 5.2s (optical zoom, wide-tele) ±5%
	Zoom	37x Optical Zoom
	Aperture Range	F1.2~F4.6(wide-tele)
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
	Video Bit Rate	32 Kbps to 16Mbps
	Audio Bit Rate	64K bps
Resolution and Frame Rate	Max. Resolution	2560×1440
	Main Stream	50Hz/50fps:2560x1440,1920x1080,1280×960,1280×720. 60Hz/60fps:2560x1440,1920x1080,1280×960,1280×720
	Sub Stream	50Hz/25fps:704 × 576, 640 × 480, 352 × 288. 60Hz/30fps :704× 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	High performance Mechanical IR Cut Filter with auto switch
	Illumination Source	Laser
	Night Vision Range	Up to 800 Mtrs
Pan-Tilt	Pan Angle	360° endless pan rotation
	Tilt Angle	-25° to 155° (Auto Flip at 90°)
	Pan Speed	0.1° ~ 180°/s(Manual), 0.1° ~ 240°/s(Preset)
	Tilt Speed	0.1° ~ 150°/s(Manual), 0.1° ~ 150°/s(Preset)
	Presets	360
	Proportional Zoom	Yes
	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
	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

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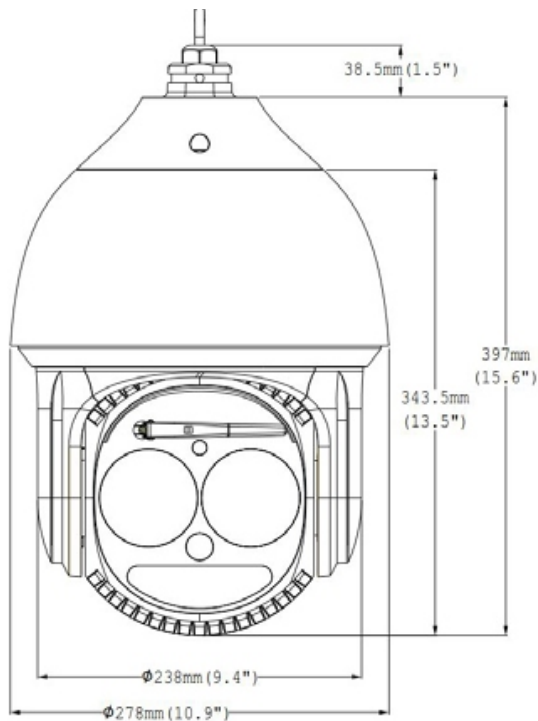|		
Operational Features	Digital Zoom	8X
	Privacy Mask	4 Programmable privacy masks
	Picture overlay	Logo picture could be overlaid on video, 16x16,24x24,32x32,48x48, 64x64,96x96,128x128pixels
	Image Enhancement	HLC/BLC/HDR
	Noise Reduction	2D/3D DNR, Auto/Manual
	RS 485	Half-duplex, PELCO-P, PELCO-D
	OSD Overlay	Max 15 characters/line, 8 lines, white or red font color, text such as week, date, time
	Optical Defog	Built-in optical defog filter
	Day & Night Control	Auto Mode (ambient brightness threshold and delay time adjustable), Manual Mode, Scheduled-switch, Timer
	Focus Control	Auto, Manual (Near/Far)
	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
	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.
	Basic event	Motion detection, video tampering alarm, 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,DHCP, PPPoE, P2P, RTMP
	System Compatibility	ONVIF Profile (G/S/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
	Simultaneous live view	Up to 6 channels
	Web Browser	IE8-11 with plug-in; Edge, Chrome, Firefox with plugin free;
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
	Reset button	Yes, supported
	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. Time-schedule/manual
	Demist	Active electric heating and air loop
Smart Analytics	Smart Features	Line crossing detection, region entrance detection, object removal detection, intrusion detection, region exiting., detection, audio exception detection Face capture, Face comparison
	Smart Tracking	Manual/Auto-tracking of human/no-motor vehicle/motorized vehicle, Pickup someone to track
	Road Traffic	Support vehicle detection and tracking(ver5.1.1).ANPR recognition, vehicles models, colors, etc.
Electrical	Power Requirement	36VDC±20%3000mA; High Power PoE(IEEE 802.3bt,90Watt)
	Power Consumption	Max 72Watt (PTZ working + IR ON + Heater on)

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Environmental	Enclosure	IP67, TVS 6,000V Lightning Protection, Surge Protection and Voltage Transient Protection
	Impact Protection	IK10
	Operating Temperature	-40°C to +70°C
	Storage Temperature	-40°C to +70°C
	Operating Humidity	95% or less (non-condensing)
Mechanical	Material	Aluminum Alloy
	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.

DIMENSIONS

Unit: mm

38.5mm(1.5")
397mm (15.6")
343.5mm (13.5")
Φ238mm (9.4")
Φ278mm (10.9")