

## DUAL LENS TEMPERATURE DETECTING 5MP IP BULLET THERMAL CAMERA

## VP-NC81785B-AF8IR1THS9 Temperature Alarm Thermal Network Camera



### FEATURES

- Uncooled VOx Micro bolometer with 256 × 192 resolution
- Thermal Sensitivity ≤ 50mK
- Thermal: 7mm/10mm fixed lens optional, Visible: 8 mm fixed lens
- Support 3 temperature measurement rule types (Spot, Line, Area)
- IR distance up to 55m
- Support temperature monitoring and exception alarm
- Support sound-light alarm



## TECHNICAL SPECIFICATIONS

### VP-NC81785B-AF8IR1THS9

Thermal Module	Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays	
	Max. Resolution	256x192, Image can be scaled up to 704x576	
	Pixel Pitch	12µm	
	Spectral Range	8 µm to 14 µm	
	Thermal Sensitivity (NETD)	≤ 50 mK	
Thermal Lens	Lens Type	Fixed	
	Focus Control	Free focus	
	Focal Length	7mm	10mm
	F No.	F1.0	F1.0
	Field of View	24° x 18 (H x V)	17° x 13 (H x V)
	Detection Distance Humans	291m	416m
	Detection Distance Vehicle	894m	1278m
	Recognition Distance Humans	73m	104m
	Recognition Distance Vehicle	224m	319m
	Detection Distance Fire	29m	41m
	Detection Distance Fire	292m	417m
† Optical Module	Image Sensor	1/2.7" Progressive Scan CMOS	
	Min. Illumination	Color: 0.001 Lux @(F1.2, AGC ON), B/W: 0.003 Lux @(F1.2, AGC ON)	
	Shutter Speed	1/5 ~ 1/20,000s	
	S/N Ratio	55dB	
	Lens (Focal Length)	8 mm	
	Field of View	H: 40°, V: 20°	
	Wide Dynamic Range (WDR)	120 dB	
Day/Night Functionality	Day & Night	True Day & Night with ICR	
	IR Cut	High performance Mechanical IR Cut Filter with auto switch	
	IR Source	Inbuilt Smart IR LEDs with intensity control	
	IR Range	Up to 55 Mtr.	
Resolution and Frame Rate	Max. Resolution	2880(H)x1620(V)	
	Main Stream	Visible Light: 50Hz: 25fps (2880x1620, 2560x1440, 2304x1296, 1920x1080, 1280x720) Visible Light: 60Hz: 30fps (2880x1620, 2560x1440, 2304x1296, 1920x1080, 1280x720) Thermal: D1 (704x576) @25/30fps	
	Sub Stream	Visible Light: D1, VGA, 640x360, CIF, QVGA @25/30fps Thermal: CIF, 256x192 @25/30fps	
Network & Remote Monitoring	Bit Rate	Main Stream: Visible: 100Kbps~12Mbps, Thermal:100Kbps~6Mbps, Sub Stream: Visible: 10Kbps~6Mbps, Thermal: 10Kbps~1.5Mbps,	
	Audio Compression	G.711: 8kbps, RAW_PCM: 16kbps	
	Protocols	IPv4/IPv6 ,HTTP, RTSP/ RTP/ RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP ,802.1x	
	Simultaneous Live View	Up to 20	
	System Compatibility	ONVIF	
	Bandwidth control	VBR (Automatic) and CBR (Manual) supported	
	Web Viewer	<le11, Chrome, Firefox, Microsoft Edge	
	Onboard Storage	Built-in Micro SD / SDHC / SDXC card slot 256GB	

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Operational Features	Region of Interest	Off / On (8 Zone, Rectangle)
	Wide Dynamic Range	120dB
	Mirror	Supported
	Smart Encode	Supported
	Motion Detection	Supported
	Privacy Masking	Off / On (5 Area, Rectangle)
	DVE Image Enhance	Support (Thermal)
	Noise Reduction	2D/3D DNR
	Image Setting	Brightness, Sharpness, Contrast, Saturation
	Pseudo-color Setting	White-hot/Black-hot/Rainbow/Ironbow etc. up to 17 modes (Thermal)
Smart Function	Smart Function	Temperature measurement, human detection and vehicle detection
	Advanced Intelligence Analysis	Smoker detection, Smoke and Flame detection, fire point detection
	Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way, Enter area, Leave area (these 7 function support accurate detection of people/vehicles) , People counting
	Sound-light Alarm	Support white light flashing and horn warning
	Temperature Measurement	3 temperature measurement rule types, 20 rules in total, 1 full screen, 19 others (points, areas, line).
	Temperature Alarm	Over temperature alarm, Temperature difference alarm
	Accuracy	$\pm 2^{\circ}\text{C}$ / $\pm 2\%$
	Response Time	$\leq 30\text{ms}$
Interface	Ethernet	1, RJ45 10M/100M self-adaptive Ethernet interface.
	Power Input	Standard DC Jack
	RS485	Supported
	Alarm Input/Output	2-ch /2-ch
	Audio Input/Output	1-ch /1-ch
	Built-in Speaker	Supported
	Reset Button	Supported
Electrical	Power Requirement	DC12V/DC24V/POE (IEEE 802.3af)
	Power Consumption	Max 12W
Environmental	Enclosure	IP66
	Operating Temperature	-40°C to 60°C
	Operating Humidity	0 ~ 90% RH
Mechanical	Color	White
	Dimensions	303x95x107 mm
	Weight	1.35 Kg
Certifications	Certifications	UL,CE, FCC, RoHS

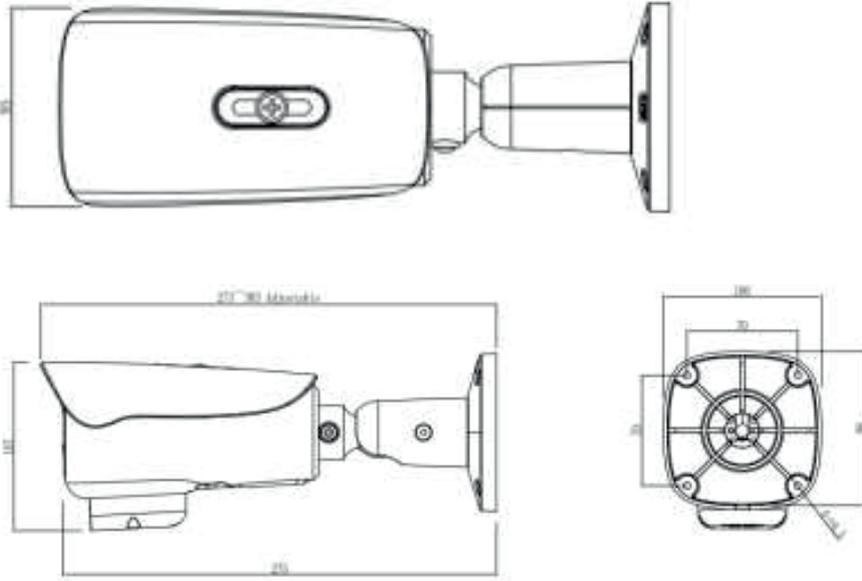
\*Exact products and specifications shown may vary by geographic region and are subject to change without notice. Product image, weights and measurements are approximate and may vary.

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## DIMENSIONS

Unit: mm



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