

Smarter Detection. Sharper Detail.

Professional AI Series: 8.0MP & 12.0MP Fixed-Lens 180° AI Active Deterrence Turret Cameras

Experience wider surveillance with the VIP Vision ID4 Series, available in 8MP and 12MP resolutions. Combining 180° panoramic coverage, intelligent AI detection and active deterrence, these turret cameras help monitor large areas with fewer blind spots. Smart Dual Light illumination, AcuPick smart search and built-in warning lights and sirens provide versatile protection for residential and commercial installations.

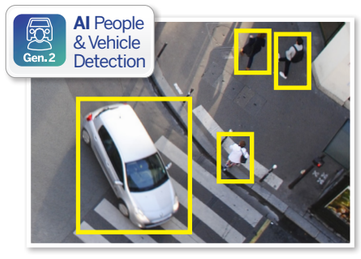
- 8MP & 12MP panoramic video at up to 20fps
- Smart Dual Light with up to 30m range
- Superb low-light colour imaging
- 180° coverage with dual image sensors
- Edge AI with onboard NPU for efficient detection
- SMD 4.0 detection & AcuPick smart search
- Built-in spotlight, siren & red/blue strobe
- IP67 weather-rated for outdoor installation



180° Coverage Surveillance



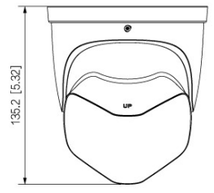
Spotlight, Siren & Blue/Red Strobe

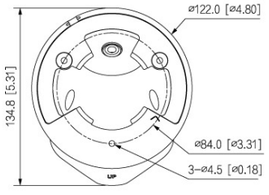


AI Human & Vehicle Detection

	Specifications		8.0MP Fixed 180° AI Deterrence Turret	
	Ordering Information		VSIPP-8DD-ID4 (White) VSIPP-8DD-ID4-B (Black)	VSIPP-12DD-ID4 (White) VSIPP-12DD-ID4-B (Black)
Camera	Image Sensor		1/2.7" CMOS (dual 4MP imaging)	1/2.5" CMOS (dual 6MP imaging)
	Effective Pixels		4320 (H) × 1944 (V)	5000 (H) × 2500 (V)
	RAM / ROM		1GB / 256MB	2GB / 256MB
	Min Illumination		0.003 lux/F1.4 (Colour), 0.0003 lux/F1.4 (B/W, 30 IRE), 0 lux (Illuminator on)	0.0008 lux/F1.0 (Colour), 0.0003 lux/F1.0 (B/W), 0 lux (Illuminator on)
	Electronic Shutter		1/3 ~ 1/100,000s	
	S/N Ratio		>56dB	
	Infrared System		Multi-core IR illumination, 30m range, Auto/Manual control	
	LED Illumination		Multi-core warm white illumination, 30m range, Red & Blue Alarm Lights	
Lens	Lens / Iris		2.8mm F1.4 Fixed Lens	2.8mm F1.0 Fixed Lens
	Field of View		Horizontal: 180°, Vertical: 72°	Horizontal: 180°, Vertical: 78°
	Focus		Fixed Focus / 0.8m Min. Focus Distance	Fixed Focus / 1.4m Min. Focus Distance
DORI	Detect (25px/m)		50.6m	59.6m
	Observe (63px/m)		20.2m	23.8m
	Recognise (125px/m)		10.1m	11.9m
	Identify (250px/m)		5.1m	6.0m
Video	Resolution		8.0MP (4320 × 1944) to D1 (704 × 480/576)	12.0MP (5000 × 2500) to D1 (704 × 480/576)
	Frame Rate	Main	4320 × 1944 (1 ~ 20fps)	5000 × 2500 (1–20fps)
		Sub	1200 × 536 (1 ~ 20fps)	
		Third	1920 × 860 (1 ~ 20fps)	
	Video Compression		H.265 / H.264 / H.264H / H.264B / MJPEG (Sub stream only); Smart H.265+ / H.264+; AI H.265 / H.264	
	Bit Rate		H.265: 6 ~ 16384Kbps / H.264: 6 ~ 16384Kbps	H.265/H.264: 6–32768Kbps
	Bit Rate Control		CBR / VBR / ABR	
	Day/Night		Auto (ICR) / Colour / B&W	
	Lighting Compensation		BLC / HLC / WDR (120dB)	
	Smart Scene Adaptive		Yes	
	White Balance		Auto / Natural / Street Lamp / Outdoor / Manual / Regional Custom	
	Gain Control		Auto / Manual	
	Noise Reduction		3D DNR	
IVS	Video Functions		Motion Detection (4 zones), Region of Interest (4 zones), Privacy Masking (8 zones), Defog, Smart Dual Light, EPTZ	
	AI Functions		**Perimeter Protection (Human/Vehicle Tripwire & Intrusion), Stay Detection, Loitering Detection, SMD 4.0, Face Detection (Full Image)**	
	Intelligent search		AcuPick, Smart Search (with compatible NVR)	
Network	Ethernet		RJ-45 (10/100/1000 Base-T)	
	Protocol		IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P2P; Bonjour; Auto Registration	
	Streaming Method		Multicast	
	Max. User Access		20 Users (Total bandwidth: 64M)	
Interface	Video Interface		N/A	
	Audio Interface		Built-in Dual Microphones & Dual Speakers, 1 Audio In/Output (RCA), Two-way Audio / PCM; G.711a; G.711Mu; G.726; G.723	
	Alarm Interface		1 Input (Wet/Dry Contact), 1 Output (Max. 1000mA 30VDC / 500mA 50VAC)	
	RS485		N/A	
	Edge Storage		MicroSD Card (up to 512GB) / NAS / FTP / SFTP	
	Interoperability		ONVIF (Profile S, G, T, M) / CGI	
Environmental	Power Supply		12VDC (±30%) / PoE+ (802.3at)	
	Power Consumption		Basic: 4.1W (12VDC), 5.6W (PoE); Max: 12.2W (12VDC), 14.8W (PoE)	Basic: 4.9W (12VDC), 6.8W (PoE); Max: 13.3W (12VDC), 16.1W (PoE)
	Operating Conditions		-40°C ~ +60°C / ≤95% RH	
	Ingress Protection		IP67	
	Vandal Resistance		N/A	
	Housing		Metal	
	Pan/Tilt/Rotation		Pan: 0° ~ 355°, Tilt: 0° ~ 77°, Rotation: 0° ~ 355°	
	Dimensions		Ø122mm × 135.2mm	
	Net Weight		0.99kg	

Accessories





Junction Box	Ceiling Mount
VSBKTA137	VSBKTA109 + VSBKTB220C
Wall Mount	**Pole Mount**
VSBKTB205W-E	VSBKTB205W-E + VSBKTA152E

Your local VIP Vision™ IP solutions professional: