



Professional IP Surveillance

Product Reference Guide



Achieve more than security.™

- AI People & Vehicle Detection
- AI Scene Adaptive
- 24/7 Colour
- Intruder Deterrence
- AI Quick Search
- 8.0**
MEGAPIXEL
- 6.0**
MEGAPIXEL

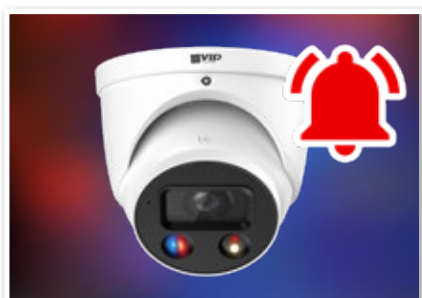


3-in-1 deterrence solution

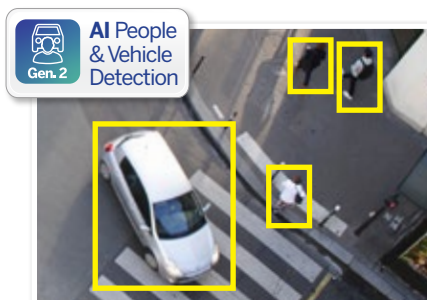
Professional AI Series: Fixed lens AI active deterrence turrets in 6.0MP and 8.0MP

The Professional AI Series utilises the latest in AI machine learning technology to identify people & vehicles with superior accuracy and reliability. The active deterrence range incorporates AI detection and a variety of in-camera features to deter intruders. Upon a human or vehicle detection event, these cameras can trigger a white LED spotlight for security lighting, a flashing blue/red LED strobe and a loud siren with programmable message/tones, to deter intruders. They are ideal for active security across a variety of residential and commercial applications.

- Stream up to 8.0MP (3840 x 2160) at 25fps
- Activates spotlight, flashing light & siren, switching from IR to colour footage in response to alarm events
- 24/7 Colour low light footage as low as 0.004lx
- Up to 30m infrared, BLC/HLC & true WDR (120dB)
- Intelligent AI detection to identify people & vehicles
- Next-Gen Smart Motion Detection (SMD 4.0) & Perimeter Protection to prevent false alarms, using VIP Vision NVRs
- AI SSA detects/adjusts exposure to ensure clear video.
- IP67 weather rated housing for outdoor use



Spotlight, Siren & Blue/Red Strobe



AI Human & Vehicle Detection



AI Adapts Scene for Best Picture

Specifications	6.0MP Fixed AI Deterrence Turret	8.0MP Fixed AI Deterrence Turret	
Ordering Information	VSIPP-6DG-ID4	VSIPP-8DG-ID4	
Image Sensor	1/2.7" 6.0MP Progressive Scan CMOS	1/2.7" 8.0MP Progressive Scan CMOS	
Effective Pixels	3072 (H) x 2048 (V)	3840 (H) x 2160 (V)	
RAM / ROM	2G / 256MB		
Min Illumination	0.005 Lux/F1.4 (Color, 30 IRE), 0.0005 lux/F1.4 (B/W, 30 IRE), 0 lux (IR)		
Electronic Shutter	1/3 ~ 1/100,000s		
S/N Ratio	> 56dB		
Infrared System	1 x Infrared LED, 30m range, Auto/manual on/off control		
LED Illumination	1 x Spotlight (Warm White), 1 x Red & Blue Alarm Light		
Lens / Iris	2.8mm F1.0 Fixed Lens		
Field of View	Horizontal: 97°, Vertical: 70°, Diagonal: 128°	Horizontal: 106°, Vertical: 55°, Diagonal: 125°	
Focus	Auto Focus / 1.5m Min. Focus Distance		
DORI			
Detect (25px/m)	66m		
Observe (63px/m)	26m		
Recognise (125px/m)	13m		
Identify (250px/m)	7m		
Resolution	6.0MP (3072 x 2048) to CIF (352 x 288 288/352 x 240)	8.0MP (3840 x 2160) to CIF (352 x 288 288/352 x 240)	
Frame Rate	Main	6.0MP (1 ~ 25fps)	
	Sub	704 x 576 (1 ~ 25fps)	
	Third	1080p (1 ~ 25fps)	
Video Compression	H.265+ / H.265 / H.264+ / H.264 / H.264B / MJPEG		
Bit Rate	H.265: 3 ~ 16384Kbps / H.264: 3 ~ 16384Kbps		
Bit Rate Control	Constant Bit Rate (CBR) / Variable Bit Rate (VBR) / Average Bit Rate (ABR)		
Day/Night	Auto (ICR) / Colour / B&W		
Lighting Compensation	BLC / HLC / WDR (120dB)		
Smart Scene Adaptive	SSA		
White Balance	Auto / Natural / Street Lamp / Outdoor / Manual / Regional Custom		
Gain Control	Auto		
Noise Reduction	3D DNR		
Picture Control	0°, 90°, 180°, 270°		
Video Functions	Motion Detection (4 zones), Region of Interest (4 zones), Privacy Masking (4 zones), Smart Illumination, Defog, Object Abandoned / Missing		
AI Functions	Event Triggers: Motion Detection, Perimeter Protection, Video Tampering, Scene Changing, Network Disconnection, IP Address Conflict, Illegal Access, Storage Anomaly Perimeter Protection: People and vehicle detection using tripwire or intrusion rules Loitering detection: People gathering and parking detection		
Intelligent search	Search people or vehicle detection events (Perimeter Protection), Search by attributes, such as clothing/vehicle colour and vehicle type (AI Quick Pick)		
Ethernet	RJ-45 (10/100Base-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		
Streaming Method	Unicast / Multicast		
Max. User Access	20 Users (Total bandwidth: 64MB)		
Video Interface	N/A		
Audio Interface	Built-in Mic & Built-in Speaker, 1 Audio In/Output (RCA) / Audio Compression - PCM; G.711a; G.711Mu; G.726; G.723		
Alarm Interface	1 channel in: 5mA 3-5VDC / 1 channel out: 300mA 12VDC		
RS485	N/A		
Edge Storage	MicroSD Card (up to 256GB) / NAS / FTP / SFTP		
Interoperability	ONVIF (Profile S, Profile G, Profile T) / P2P / CGI / Milestone		
Power Supply	12VDC / PoE		
Power Consumption	< 8.6 W (12 VDC); < 10.1 W (PoE)		
Operating Conditions	-40°C ~ +60°C / ≤95% RH		
Ingress Protection	IP67		
Vandal Resistance	N/A		
Housing	Metal		
Pan/Tilt/Rotation	Pan: 0° ~ 360°, Tilt: 0° ~ 78°, Rotation: 0° ~ 360°		
Dimensions	Ø122mm x 111mm		
Net Weight	0.75kg		
Accessories		Junction Box	Ceiling Mount
		VSBKTA137 or VSBKTA130E	VSBKTA109 + VSBKTB220C
		Wall Mount	Pole Mount
		VSBKTB205W-E or VSBKTB203W	VSBKTB205W-E + VSBKTA152E

Your local VIP Vision™ IP solutions professional:

- AI People & Vehicle Detection
Gen. 2
- AI Scene Adaptive
- 24/7 Colour
- Intruder Deterrence
- AI Quick Search
- 8.0 MEGAPIXEL



Dual Light Active Fixed-Focal Camera

Smart Dual Light Active Deterrence Fixed-Focal Eyeball Network Camera

VIPVision's 8MP Dual Light Active Deterrence Fixed-focal Eyeball Network Camera is an AI product that adopts independent AI chip and deep learning algorithms. It focuses on humans and vehicles with high accuracy, enabling users to act fast on defined targets. Based on VIPVision's advanced technologies, this camera provides intelligent, simple and inclusive products and solutions. Driven by its advanced deep learning algorithms, the camera supports intelligent functions such as perimeter protection, smart motion detection, Acupick and AI SSA.

- 8-MP 1/1.8" CMOS image sensor, low luminance, and high definition image.
- Sound and light alarm (red and blue lights).
- Build in multi-core light, the max. IR distance is 30m and the max warm light is 30m.
- Intelligent monitoring: Intrusion, tripwire (support the classification/accurate detection of vehicle/human).
- H.265 codec, high compression rate, ultra-low bit rate.
- Supports AI SSA and one-tap arming and disarming.
- IP67 weather rated housing for outdoor use.



Spotlight, Siren & Blue/Red Strobe

AI People & Vehicle Detection
Gen. 2



AI Human & Vehicle Detection

AI Scene Adaptive



AI Adapts Scene for Best Picture

Specifications		VSIPP-8DG-ID4-P		
Camera System		8MP Smart Dual light Active Deterrence Fixed-focal Eyeball WizSense Network Camera		
Camera	Image Sensor	1/1.8" CMOS		
	Effective Pixels	3840 (H) x 2160 (V)		
	RAM / ROM	1256MB / 2G		
	Min Illumination	0.0008 lux@F1.0 (Colour, 30 IRE) / 0.0004 lux@F1.0 (B/W, 30IRE) / 0 lux (illumination on)		
	Electronic Shutter	Auto/Manual 1/3 s-1/100,000 s		
	S/N Ratio	> 56dB		
	Infrared System	Up to 30 m (IR) / Up to 30 m (Warm light)		
	LED Illumination	1 x Spotlight (Warm White), 1 x Red & Blue Alarm Light		
	Lens	Lens / Iris	Fixed Lens	
		Field of View	2.8 mm: H: 109°; V: 58°; D: 131° / 3.6 mm: H: 93°; V: 50°; D: 111°	
Focus		2.8 mm: 2.1 m		
DORI	Detect (25px/m)	82.0m		
	Observe (63px/m)	32.8m		
	Recognise (125px/m)	16.4m		
	Identify (250px/m)	8.2m		
Video	Resolution	8MP (3840 x 2160) to CIF (352 x 288 / 352 x 240)		
	Frame Rate	Main	3840 x 2160@(1 fps-25/30 fps)	
		Sub	1920 x 1080@(1-25/30 fps)	
		Third	1920 x 1080@(1-25/30 fps)	
	Video Compression	H.265+ / H.264 / H.264+ / H.264 / MJPEG		
	Bit Rate	H.264: 3kbps-16384kbps / H.265: 3kbps-16384kbps		
	Bit Rate Control	Constant Bit Rate (CBR) / Variable Bit Rate (VBR) / Average Bit Rate (ABR)		
	Day/Night	Auto (ICR) / Colour / B/W		
	Lighting Compensation	BLC / HLC / WDR (120dB)		
	Smart Scene Adaptive	SSA		
	White Balance	Auto / Natural / Street Lamp / Outdoor / Manual / Regional Custom		
	Gain Control	Auto		
	Noise Reduction	3D NR		
Picture Control	Mirror / Flip (0°, 90°, 180°, 270°)			
IVS	Video Functions	Motion Detection (4 zones), Region of Interest (4 zones), Privacy Masking (4 zones), Smart Illumination, Defog, Object Abandoned / Missing		
	AI Functions	Event Triggers: Motion Detection, Perimeter Protection, Video Tampering, Scene Changing, Network Disconnection, IP Address Conflict, Illegal Access, Storage Anomaly Perimeter Protection: People and vehicle detection using tripwire or intrusion rules Loitering detection: People gathering and parking detection		
	Intelligent search	Search people or vehicle detection events (Perimeter Protection), Search by attributes, such as clothing/vehicle colour and vehicle type (AI Quick Pick)		
Network	Ethernet	RJ-45 (10/100Base-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		
	Streaming Method	Unicast / Multicast		
	Max. User Access	20 Users (Total bandwidth: 64MB)		
Interface	Video Interface	N/A		
	Audio Interface	Input: 1 channel (RCA port) Output: 1 channel (RCA port)		
	Alarm Interface	Input: 1 channel in: 5 mA 3-5 VDC Output: 1 channel out: wet contact 300 mA 12 VDC		
	RS485	N/A		
	Edge Storage	FTP; SFTP; Micro SD card (Support max, 256 G); NAS		
	Interoperability	ONVIF (Profile S; Profile G; Profile T); CGI		
Environmental	Power Supply	12VDC / PoE (820.3af)		
	Power Consumption	Basic: 4.1 W (12 VDC); 6 W (PoE) Max: 8.2 W (12 VDC); 10 W (PoE)		
	Operating Conditions	-40°C to +60°C		
	Ingress Protection	IP67		
	Vandal Resistance	N/A		
	Housing	Metal		
	Pan/Tilt/Rotation	Pan: 0°-360° / Tilt: 0°-78° / Rotation: 0°-360°		
	Dimensions	Ø122.0 mm x 116.1 mm		
Net Weight	0.8kg			
Accessories			Junction Box	Ceiling Mount
			VSBKTA137	VSBKTB220C
			Wall Mount	Pole Mount
			VSBKTB205W-E	VSBKTB205W-E

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