



Identify people & vehicles.

Professional AI Series: Fixed AI perimeter protection wedge domes in 4.0MP

The Professional AI Series identifies people & vehicles using machine learning, to reduce false motion detection alerts and provide meaningful video event notifications in real-time. When used in conjunction with a VIP Vision NVR, person and vehicle events can be isolated in footage playback to improve surveillance efficiency.

- Stream up to 4.0MP (2688 x 1520) at 25fps
- H.265 encoding for efficient storage & streaming
- Up to 50m infrared range; true day/night (auto ICR)
- Back/highlight compensation & true WDR (120dB)
- MicroSD slot for recording at the edge up to 256GB
- Intelligent AI detection to identify people & vehicles
- Smart Motion Detection (SMD+) & Perimeter Protection to prevent false alarms, using VIP Vision NVRs
- 3D digital noise reduction & auto white balance
- IP67 weather rated & IK10 vandal rated housing



Record at 4K Ultra HD Resolution



Smart Person & Vehicle Detection



Superb Low Light Performance

Specifications		4.0MP Fixed AI Wedge Dome	
Ordering Information		VSIPP-4DIRF-I	
Camera	Image Sensor	1/3" 4.0MP Progressive Scan CMOS	
	Effective Pixels	2688 (H) x 1520 (V)	
	RAM / ROM	512MB / 128MB	
	Min Illumination	0.005 Lux/F1.6 (Color)	
	S/N Ratio	N/A	
	Infrared System	8 x Infrared LEDs, 50m range, Auto/manual on/off control	
Lens	Lens / Iris	2.8mm F1.6 Fixed Focal Lens with Fixed Iris	
	Field of View	Horizontal: 103°, Vertical: 55°, Diagonal: 122°	
	Focus	Auto Focus / 0.9m Min. Focus Distance	
DORI	Detect (25px/m)	56m	
	Observe (63px/m)	22m	
	Recognise (125px/m)	11m	
	Identify (250px/m)	6m	
Video	Resolution	4.0MP (2688 x 1520) to CIF (352 x 288)	
	Frame Rate	Main	4.0MP (1 ~ 25fps)
		Sub	D1 (1 ~ 25fps)
		Third	720p (1 ~ 25fps)
	Video Compression	H.265 / H.264 / H.264H / H.264B / MJPEG	
	Bit Rate	H.265: 3 ~ 8192Kbps / H.264: 3 ~ 8192Kbps	
	Bit Rate Control	Constant bit rate (CBR) / Variable bit rate (VBR)	
	Day/Night	Auto (ICR) / Color / 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 / Manual	
	Noise Reduction	3D DNR	
Picture Control	Mirror / Flip (0°, 90°, 180°, 270°) *90° & 270° supports 2.0MP resolution only		
IVS	Video Functions	Motion Detection (4 zones), Region of Interest (4 zones), Privacy Masking (4 zones), Smart Infrared	
	AI Functions	Smart Motion Detection (SMD+): People and vehicle detection using motion detection Perimeter Protection: People and vehicle detection using tripwire or intrusion rules	
	Intelligent Search	Search people or vehicle detection events (SMD+, Perimeter Protection)	
Network	Ethernet	RJ-45 (10/100Base-T)	
	Protocol	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; 802.1x; SNMP	
	Streaming Method	Unicast / Multicast	
	Max. User Access	20 Users	
Interface	Video Interface	N/A	
	Audio Interface	Built-in Mic / Audio Compression - G.711a; G.711Mu; G726; AAC	
	Alarm Interface	N/A	
	RS485	N/A	
	Edge Storage	MicroSD Card (up to 256GB) / NAS / FTP / SFTP	
Interoperability	ONVIF (Profile S/Profile G) / CGI / P2P / Milestone / Genetec		
Environmental	Power Supply	12VDC / PoE (802.3af)	
	Power Consumption	<5.7W	
	Operating Conditions	-40°C ~ +60°C / ≤95% RH	
	Ingress Protection	IP67	
	Vandal Resistance	IK10	
	Housing	Metal	
	Pan/Tilt/Rotation	Pan: -30° ~ 30°, Tilt: 0° ~ 80°, Rotation: 0° ~ 360°	
Dimensions	Ø108.9mm x 55mm		
Net Weight	0.38kg		

Application		Application		
	Junction Box	Wall Mount		Corner Mount
	VSBKTA139	VSBKTB204W	VSBKTA106 + VSBKTB305W	VSBKTA106 + VSBKTB305W + VSBKTA151
	Pole Mount		Auto Guard	Ceiling Mount
	VSBKTB204W + VSBKTA152E	VSBKTA139 + VSBKTA152E	VSBKTA201W	VSBKTA106 + VSBKTB220C + (+ VSBKTA117 optional extension)

Your local VIP Vision™ IP solutions professional: