

Compact AI video security.

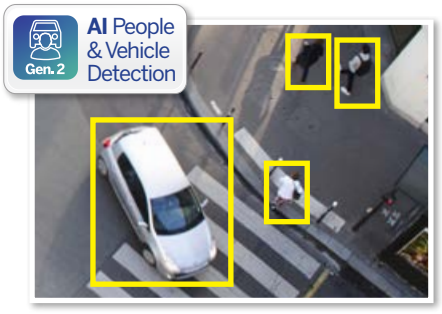
Professional AI Series: Fixed Lens Edge AI Wedge Domes in 4.0MP and 8.0MP

The Professional AI Series combines the latest in AI surveillance and a security light into one housing. Now with Edge AI support, the built-in Neural Processing Unit delivers enhanced subject detection, image quality and search performance. AI people and vehicle detection events trigger a light to deter intruders and capture footage in full colour. Quickly search and track people & vehicle subjects across entire sites with AcuPick subject match search. The wedge dome housing offers vandal resistance in a form factor perfect for small spaces, such as lifts.

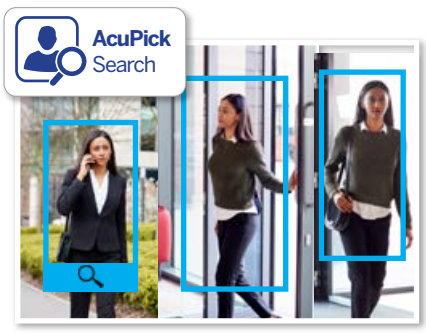
- Stream up to 8.0MP (3840 x 2160) at 25fps
- Edge AI Support for enhanced video detection
- Up to 30m infrared range; true day/night (auto ICR)
- AcuPick subject matching for faster footage search
- Warm LED light triggers on person/vehicle detection
- AI face detection, AI human/vehicle detection (SMD4.0)
- Built-in mic, alarm I/O and microSD storage support
- MicroSD slot for recording at the edge up to 512GB
- Compact wedge style housing, only 65mm in height
- IP67 weather rated & IK10 vandal rated housing



Edge AI Neural Processing Unit



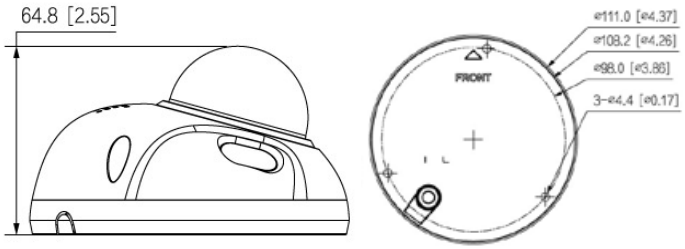
AI Human & Vehicle Detection



AcuPick People & Vehicle Search

	Specifications		Edge AI Fixed Lens Vandal Wedge Dome	
	Models		**VSIPP-4DIRF-I3**	**VSIPP-8DIRF-I3**
Camera	Image Sensor		1/2.9" 4.0MP Progressive Scan CMOS	1/2.7" 8.0MP Progressive Scan CMOS
	Effective Pixels		2688 (H) x 1520 (V)	3840 (H) x 2160 (V)
	RAM / ROM		1GB / 256MB	
	Min Illumination		0.005 Lux/F1.6 (Color), 0.0005 Lux/F1.6 (B/W), 0 lux (illuminator on)	0.008 Lux/F1.4 (Color), 0.0008 Lux/F1.4 (B/W), 0 lux (illuminator on)
	Illuminator		4x Warm White LED, 4 x Infrared LED, 30m range, Auto/manual on/off control	
	S/N Ratio		> 56dB	
Lens	Lens / Iris		2.8mm F1.6 Fixed Lens	
	Field of View		Horizontal: 100°, Vertical: 56°	Horizontal: 108°, Vertical: 60°
	Focus		Fixed /1.0m Min. Focus	Fixed / 1.4m Min. Focus
DORI	Detect (25px/m)		62m	82m
	Observe (63px/m)		25m	33m
	Recognise (125px/m)		12m	16m
	Identify (250px/m)		6m	8m
Video	Resolution		4.0MP (2688 x 1520) to CIF (352 x 288)	8.0MP (3840 x 2160) to CIF (352 x 288)
	Frame Rate	Main	4.0MP (1 ~ 25fps)	8.0MP (1 ~ 25fps)
		Sub	1080p (1 ~ 25fps)	
		Third	1080p (1 ~ 25fps)	
	Video Compression		H.265; H.264; H.264H; H.264B; MJPEG; Smart H.265+; Smart H.264+; AI H.265; AI H.264	
	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) / Color / B&W	
	Lighting Compensation		BLC / HLC / WDR (120dB) / AI 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°) (Support 90°/270° at 4.0MP resolution and lower)	
IVS	Video Functions		Motion Detection (4 zones), Region of Interest (4 zones), Privacy Masking (8 zones), Defog, Smart Dual Light, Smart Illumination, LDC	
	AI Functions		Face Detection (Full Image), SMD 4.0, Perimeter Protection (Human/Vehicle Tripwire & Intrusion), Stay Detection, Loitering Detection	
	Intelligent Search		AcuPick subject matching across multiple channels (via NVR), Smart Search	
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; P2P	
	Streaming Method		Multicast	
	Max. User Access		20 Users (Total bandwidth: 64MB)	
Interface	Video Interface		N/A	
	Audio Interface		Built-in Mic / 1 input (RCA Port)/ 1 output (RCA Port) / Audio Compression - G.711a; G.711Mu; PCM; G.726; G.723	
	Alarm Interface		1 Input (Wet/Dry Contact, 5mA 3~5VDC), 1 Output (Max. 300mA 12VDC)	
	Edge Storage		MicroSD Card (up to 512GB) / NAS / FTP / SFTP	
	Interoperability		ONVIF (Profile S, G, T, M) / CGI	
Environmental	Power Supply		12VDC (±30%) / PoE (802.3af)	
	Power Consumption		Basic: 3.3W (12VDC); 8.3W (PoE); Max.: 4.2W (12 VDC); 9.2W (PoE)	Basic: 3.8W (12VDC); 8.3W (PoE); Max.: 4.6W (12VDC); 9.2W (PoE)
	Operating Conditions		-40°C ~ +60°C, ≤95% RH	
	Ingress Protection		IP67	
	Vandal Resistance		IK10	
	Housing		Metal and Polycarbonate	
	Pan/Tilt/Rotation		Pan: -30° ~ 30°, Tilt: 0° ~ 80°, Rotation: 0° ~ 360°	
	Dimensions		Ø64.8mm x 111mm	
	Net Weight		0.42kg	

Accessories



Junction Box	Pole Mount
VSBKTA136	VSBKTB2203W + VSBKTA152E
Wall Mount	**Corner Mount**
VSBKTB2203W VSBKTB305W + VSBKTA109	VSBKTB305W + VSBKTA109 + VSBKTA151

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