



AI People & Vehicle Detection



Face Capture



People Counting



The best in AI surveillance.

Ultimate AI Series: Motorised AI dome with face capture in 8.0MP

The Ultimate AI Series detects and captures faces from footage using machine-learned algorithms, preparing face data for use with an AI NVR face database. This enables up to 16 channels of face recognition. The series also features intelligent perimeter protection and people counting to provide meaningful video event notifications in real-time.

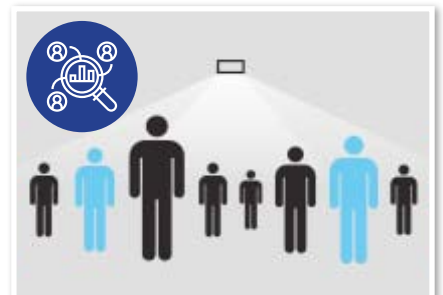
- Stream up to 8.0MP (3840 x 2160) at 25fps
- Up to 45m infrared range; true day/night (auto ICR)
- Back/highlight compensation & true WDR (140dB)
- MicroSD slot for recording at the edge up to 256GB
- Internal face detection & capture to extend recognition
- Perimeter Protection to identify people & vehicles
- Intelligent AI-enhanced people counting for retail capacity management and flow control
- Extend PoE up to 800m (*requires ePoE NVR/switch*)
- Heater for cold environments (4.0MP model only)



Superb Image Performance



AI-Enhanced Face Detection



People Counting & Flow Control

Specifications		8.0MP Motorised Vandal Dome						
Ordering Information		VSIPU-8DIRM-I3						
Camera	Image Sensor	1/1.8" 8.0MP Progressive Scan CMOS						
	Effective Pixels	3840 (H) x 2160 (V)						
	RAM / ROM	1GB / 128MB						
	Min Illumination	0.004 Lux / F1.4 (Color)						
	S/N Ratio	>56dB						
	Infrared System	3 x Infrared LED, 40m range, Auto/manual on/off control						
Lens	Lens / Iris	2.7 ~ 12mm F1.4 Motorised Varifocal Lens with Auto Iris						
	Field of View	Horizontal: 110°~45°, Vertical: 58°~25°, Diagonal: 134°~52°						
	Focus	Auto Focus / 1.0m Min. Focus Distance						
DORI	Detect (25px/m)	86m (wide) / 196m (tele)						
	Observe (63px/m)	34m (wide) / 78m (tele)						
	Recognise (125px/m)	17m (wide) / 39m (tele)						
	Identify (250px/m)	9m (wide) / 20m (tele)						
Video	Resolution	8.0MP (3840 x 2160) to CIF (352 x 288)						
	Frame Rate	Main	8.0MP (1 ~ 25fps)					
		Sub	D1 (1 ~ 25fps)					
		Third	1080p (1 ~ 25fps)					
	Video Compression	H.265,H.264, H.264B, H.264H, MJPEG						
	Bit Rate	H.264: 32Kbps~8192Kbps / H.265: 32Kbps~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)						
	White Balance	Auto / Natural / Street Lamp / Outdoor / Manual / Regional Custom						
	Gain Control	Auto / Manual						
Noise Reduction	3D NR							
Picture Control	Mirror / Flip (0°, 90°, 180°, 270°) (8.0MP supports 90° & 270° at 1080p resolution)							
IVS	Intelligent Functions	Motion Detection (4 zones), Region of Interest (4 zones), Privacy Masking (4 zones), Smart Infrared, Abandoned Object, Moving Object						
	Perimeter Protection	Tripwire & Intrusion (Add recognition of humans & vehicles), Fast Moving Detection, Loitering Detection, Parking & Gathering Detection						
	Face Detection	Internal Face Detection & Capture to add up to 10 channels of Face Detection with AI NVR (16 total)						
	Face Attributes	Age, Gender, Expression, Glasses, Face Mask, Facial Hair						
	People Counting	Supports Line Crossing/Region/Queueing People Counting, 4 Independent Access Detection / 4 Dependent Access Detection						
	Heat Map	Yes						
	Event Trigger	Motion Detection, Video Tampering, Scene Changing, Network Disconnection, IP Address Conflict, Illegal Access						
Intelligent Search	Via NVR Smart Search / Search tripwire/intrusion events by people or vehicle, Search footage by face image and face attributes							
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; SAMBA; PPPoE; 802.1x; SNMP						
	Streaming Method	Multicast						
	Max. User Access	20 Users						
Interface	Audio Interface	1 input (RCA Port) / 1 output (RCA Port) / Audio Compression - G.711a; G.711Mu; G.726; G.723						
	Alarm Interface	1 channel in: 5mA 5VDC / 1 channel out: 300mA 12VDC						
	Edge Storage	MicroSD Card (up to 256GB) / NAS / FTP / SFTP						
	Interoperability	ONVIF / P2P / CGI / Milestone / Genetec						
Environmental	Power Supply	12 VDC (±25%) / 24 VAC (±30%) / PoE (802.3af)/ePoE						
	Power Consumption	< 10.1W						
	Operating Conditions	-30°C ~ +60°C, ≤95% RH						
	Ingress Protection	IP67						
	Vandal Resistance	IK10						
	Housing	Metal, Plastic						
	Pan/Tilt/Rotation	Pan: 0° ~ 355°, Tilt: 0° ~ 80°, Rotation: 0° ~ 355°						
	Dimensions	Ø159mm x 118mm						
Net Weight	0.95kg							
Application								
Junction Box	Wall Mount		Corner Mount	Pole Mount		In-Ceiling Mount	Ceiling Mount	Parapet Mount
VSBKTA138	VSBKTB211W	VSBKTA101 + VSBKTB302S	VSBKTA101 + VSBKTB302S + VSBKTA151	VSBKTB211W + VSBKTA152E	VSBKTA101 + VSBKTB302S + VSBKTA152E	VSBKTB201C (4.0MP only)	VSBKTA101 + VSBKTB300C (+ VSBKTA112 + VSBKTA113 ext.)	VSBKTA101 + VSBKTB303S

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