



The best in AI surveillance.

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

Applying machine-learned algorithms, the Ultimate AI Series detects and captures faces independently from the AI NVR, extending face recognition capabilities across the whole CCTV system. The series also features intelligent Perimeter Protection and delivers superb image performance with low light colour and a motorised auto iris.

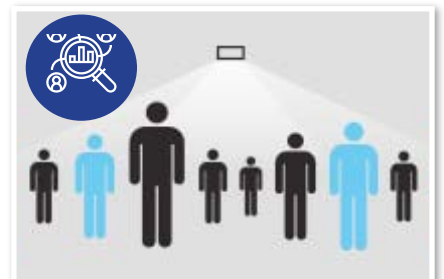
- Stream up to 8.0MP (3840 x 2160) at 25fps
- H.265 encoding for efficient storage & streaming
- Up to 60m infrared range; true day/night (auto ICR)
- Back/highlight compensation & true WDR (120dB)
- MicroSD slot for recording at the edge up to 256GB
- Internal face/attribute detection to extend recognition
- Perimeter Protection to identify people & vehicles
- Combine Perimeter Protection with Tripwire/Intrusion to prevent false alarms, all using any VIP Vision NVR
- Extend PoE up to 800m (*requires ePoE NVR/switch*)



Superb Image Performance



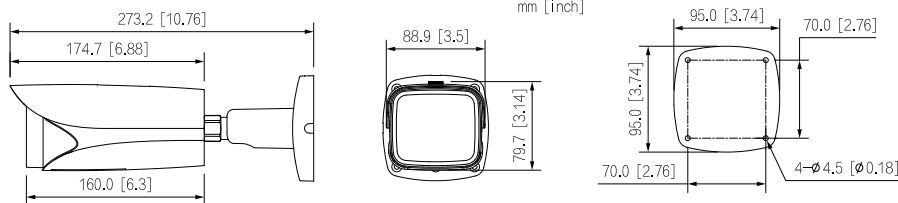
AI-Enhanced Face Detection



People Counting & Flow Control

Specifications		8.0MP Motorised AI Bullet	
Ordering Information		VSIPU-8BIRM-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	4 x Infrared LED, 60m range, Auto/manual on/off control	
Lens	Lens / Iris	2.7 ~ 12.0mm F1.4 Motorised Varifocal Lens with Auto Iris	
	Field of View	Horizontal: 110.4°~45°, Vertical: 57.8°~25.2°	
	Focus	Auto Focus / 1.2m Min. Focus Distance	
DORI	Detect (25px/m)	86m (wide) / 196m (tele)	
	Observe (63px/m)	34.4m (wide) / 78.4m (tele)	
	Recognise (125px/m)	17.2m (wide) / 39.2m (tele)	
	Identify (250px/m)	8.6m (wide) / 19.6m (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.264H, H.264B, 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 DNR		
Picture Control	Mirror / Flip (0°, 90°, 180°, 270°) (8.0MP supports 90°/270° with 4M resolution and lower)		
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	In-camera Face Detection & Face Capture (add additional channels of Face Recognition using AI NVR)	
	Face Attributes	Age, Gender, Expression, Glasses, Face Mask, Facial Hair	
	People Counting	Supports Line Crossing/Region/Queuing 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, Storage Anomaly	
Network	Intelligent Search	Via NVR Smart Search / Search tripwire/intrusion events by people or vehicle, Search footage by face image and face attributes	
	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	Multicast	
Interface	Max. User Access	20 Users	
	Audio Interface	1 input (RCA Port) / 1 output (RAC Port) / Audio Compression: G.711a; G.711Mu; G.726; G.723	
	Alarm Interface	2 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	12VDC (±30%) / PoE (802.3af) / ePoE	
	Power Consumption	<7.9W	
	Operating Conditions	-30°C ~ +60°C, ≤95% RH	
	Ingress Protection	IP67	
	Vandal Resistance	IK10	
	Housing	Metal, Plastic	
	Pan/Tilt/Rotation	Pan: 0° ~ 360°, Tilt: 0° ~ 90°, Rotation: 0° ~ 360°	
	Dimensions	273.2mm x 95mm x 95mm	
Net Weight	1.51kg		

Application



Corner Mount	
VSBKTA121-2 + VSBKTA151	
Wall Mount	Pole Mount
VSBKTB306W	VSBKTB306W + VSBKTA150

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