



# The best in AI surveillance.

## Ultimate AI Series: Motorised AI face capture bullets 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
- 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 detection & capture 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*)
- Heater to prevent condensation in cold environments



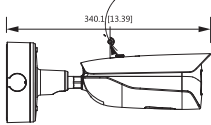
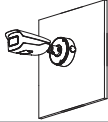
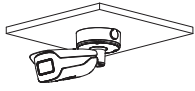
Superb Image Performance



AI-Enhanced Face Detection



Extended PoE up to 800m

Specifications		8.0MP Motorised AI Bullet		
Camera	Ordering Information	VSIPU-8BIRM-I: Standard		
	Image Sensor	1/1.8" 8.0MP Progressive Scan CMOS		
	Effective Pixels	3840 (H) x 2160 (V)		
	RAM / ROM	2GB / 4GB		
	Min Illumination	0.003 Lux / F1.2 (Color)		
	S/N Ratio	>50dB		
Lens	Infrared System	4 x Infrared LED, 60m range, Auto/manual on/off control		
	Lens / Iris	2.7 ~ 12.0mm F1.2 Motorised Varifocal Lens with Auto Iris		
	Field of View	Horizontal: 114°~47°, Vertical: 59°~27°		
DORI	Focus	Auto Focus / 1.2m Min. Focus Distance		
	Detect (25px/m)	87m (wide) / 187m (tele)		
	Observe (63px/m)	35m (wide) / 75m (tele)		
	Recognise (125px/m)	17m (wide) / 37m (tele)		
Video	Identify (250px/m)	9m (wide) / 19m (tele)		
	Resolution	8.0MP (3840 x 2160) to CIF (352 x 288)		
	Frame Rate	Main	8.0MP (1 ~ 25fps)	
		Sub	704 x 576 (1 ~ 25fps)	
		Third	1080p (1 ~ 25fps)	
	Video Compression	H.265, H.264, H.264H, H.264B, MJPEG (Sub Stream)		
	Bit Rate	H.264: 32Kbps ~ 16384Kbps / H.265: 12Kbps ~ 16384Kbps		
	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			
IVS	Gain Control	Auto / Manual		
	Noise Reduction	3D DNR		
	Picture Control	Mirror / Flip (0°, 90°, 180°, 270°) (8.0MP supports 90° & 270° at 1080p resolution)		
	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/Queuing People Counting, 4 Independent Access Detection / 4 Dependent Access Detection		
	Heat Map	N/A		
	Event Trigger	N/A		
Network	Intelligent Search	Supports Line Crossing/Region/Queuing People Counting, 4 Independent Access Detection / 4 Dependent Access Detection		
	Ethernet	RJ-45 (10/100Base-T)		
	Protocol	HTTP; Https; 8021.x; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPPoE; IPv4/v6; SNMP; QoS; UPnP; NTP; SFTP; RTMP; Genetec; Bonjour		
	Streaming Method	Unicast / Multicast		
Interface	Max. User Access	20 Users		
	Video Interface	N/A		
	Audio Interface	1 input (RCA Port) / 1 output (RAC Port) / Audio Compression: G.711a; G.711Mu; AAC; G.726; G.723		
	Alarm Interface	3 channel in: 5mA 5VDC / 2 channel out: 1000mA 30VDC / 500mA 50VDC		
	RS485	1 (Bit rate: 1200bps ~ 115200bps)		
	Edge Storage	MicroSD Card (up to 256GB) / NAS / FTP / SFTP		
Environmental	Interoperability	ONVIF / P2P / CGI / Milestone / Genetec		
	Power Supply	12VDC / 24VAC / PoE (802.3af) (Class 4)		
	Power Consumption	<17.3W (Heater on)		
	Operating Conditions	-40°C ~ +60°C, ≤95% RH (Heater on)		
	Ingress Protection	IP67		
	Vandal Resistance	IK10		
	Housing	Metal, Plastic		
	Pan/Tilt/Rotation	Pan: 0° ~ 360°, Tilt: 0° ~ 90°, Rotation: 0° ~ 360°		
Application	Dimensions	340mm x 109mm x 93mm		
	Net Weight	1.60kg		
Application	Dimensions and Mounting Options			
			Wall Mount	
			Ceiling Mount	

Your local VIP Vision™ IP solutions professional: