



The best in AI surveillance.

Ultimate AI Series: Motorised AI face detection bullets in 4.0MP & 8.0MP

Applying a deep learning algorithm, the Ultimate AI Series detects and captures both faces and vehicles to use in face recognition, intelligent searching and perimeter protection, all while delivering superb image performance with low light colour and automatic image adjustment.

- 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)
- MicroSD slot for recording at the edge up to 256GB
- Up to 16 channels of face recognition with an AI NVR
- Detect faces and receive face alerts in real time
- Search footage by face image or by facial attributes
- Smart motion detection and tripwire/intrusion perimeter protection rules for reliable alerts
- Extend PoE up to 800m (*requires ePoE NVR/switch*)



Superb Image Performance



AI-Enhanced Face Detection



Extended PoE up to 800m

Specifications		4.0MP Motorised AI Bullet		8.0MP Motorised AI Bullet			
Camera	Ordering Information	VSIPU-4BIRM-I: Standard		VSIPU-8BIRM-I: Standard			
	Image Sensor	1/1.8" 4.0MP Progressive Scan CMOS		1/1.8" 8.0MP Progressive Scan CMOS			
	Effective Pixels	2688 (H) x 1520 (V)		3840 (H) x 2160 (V)			
	RAM / ROM	1GB / 128MB		2GB / 4GB			
	Min Illumination	0.003 Lux / F1.8 (Color)		0.003 Lux / F1.2 (Color)			
	S/N Ratio	> 50dB					
Lens	Infrared System	4 x Infrared LED, 50m range, Auto/manual on/off control		4 x Infrared LED, 60m range, Auto/manual on/off control			
	Lens / Iris	2.7 ~ 12.0mm F1.8 Motorised Varifocal Lens with Auto Iris		2.7 ~ 12.0mm F1.2 Motorised Varifocal Lens with Auto Iris			
	Field of View	Horizontal: 114°~47°, Vertical: 62°~26°		Horizontal: 114°~47°, Vertical: 59°~27°			
DORI	Focus	Auto Focus / 1.2m Min. Focus Distance		Auto Focus / 1.2m Min. Focus Distance			
	Detect (25px/m)	58m (wide) / 131m (tele)		87m (wide) / 187m (tele)			
	Observe (63px/m)	23m (wide) / 52m (tele)		35m (wide) / 75m (tele)			
	Recognise (125px/m)	12m (wide) / 26m (tele)		17m (wide) / 37m (tele)			
	Identify (250px/m)	6m (wide) / 13m (tele)		9m (wide) / 19m (tele)			
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) / 3.0MP (1 ~ 25fps) / 2.0MP (1 ~ 50fps)		8.0MP (1 ~ 25fps)		
		Sub	D1 (1 ~ 50fps)		704 x 576 (1 ~ 25fps)		
		Third	1080p (1 ~ 16fps)		1080p (1 ~ 25fps)		
	Video Compression	H.265, H.264, H.264H, H.264B, MJPEG					
	Bit Rate	H.264: 32Kbps ~ 8192Kbps / H.265: 19Kbps ~ 8192Kbps		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					
Gain Control	Auto / Manual						
Noise Reduction	3D DNR						
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 (Human/Vehicle Recognition), Fast Movement Detection, Loitering Detection, Parking and Gathering Detection					
	Face Detection	Face image recognition and detection up to 10 channels with AI NVR					
	Face Attributes	Age, gender, expression, glasses, mouth mask and facial hair					
	People Counting	Supports line crossing/region/queuing people counting. 4 independent access detection / 4 dependent access detection					
	Heat Map	Yes		N/A			
	Event Trigger	Motion detection, Video tampering, Scene changing, Network Disconnection, IP address conflict, Illegal Access, Storage anomaly		N/A			
	Intelligent Search	With a smart NVR intelligent search. Search tripwire / intrusion events by people or vehicle. Or 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; PPPoE; 802.1x; SNMP					
	Streaming Method	Unicast / Multicast					
	Max. User Access	20 Users					
Interface	Video Interface	N/A					
	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		3 channel in: 5mA 5VDC / 2 channel out: 1000mA 30VDC / 500mA 50VDC			
	RS485	N/A		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 / PoE (802.3af) (Class 4)		12VDC / 24VAC / PoE (802.3af) (Class 4)			
	Power Consumption	<15.2W		<17.3W			
	Operating Conditions	-40°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	273mm x 95mm x 95mm		340mm x 109mm x 93mm			
	Net Weight	1.11kg		1.60kg			
Application	Dimensions and Mounting Options						
		4.0MP	Wall Mount	Ceiling Mount	8.0MP	Wall Mount	Ceiling Mount

Your local VIP Vision™ IP solutions professional:

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