



The best in AI surveillance.

Ultimate AI Series: 4.0MP Motorised AI bullets in standard or zoom lens

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 4.0MP (2688 x 1520) at 25fps
- 2.7~12mm standard lens & 8~32mm zoom lens models
- 50m infrared range (120m -IZ model); true day/night
- 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



Double Full HD Resolution



AI-Enhanced Face Detection



Extended PoE up to 800m

Specifications	4.0MP Motorised AI Bullet	4.0MP Motorised AI Bullet (Zoom Lens)	
Ordering Information	VSIPU-4BIRM-I: Standard	VSIPU-4BIRM-IZ: Zoom	
Image Sensor	1/1.8" 4.0MP Progressive Scan CMOS		
Effective Pixels	2688 (H) x 1520 (V)		
RAM / ROM	1GB / 128MB		
Min Illumination	0.003 Lux / F1.8 (Color)	0.002 Lux / F1.6 (Color)	
S/N Ratio	> 50dB		
Infrared System	4 x Infrared LED, 50m range, Auto/manual on/off control	4 x Infrared LED, 120m range, Auto/manual on/off control	
Lens / Iris	2.7 ~ 12.0mm F1.8 Motorised Varifocal Lens with Auto Iris	8 ~ 32.0mm F1.6 Motorised Varifocal Lens with Auto Iris	
Field of View	Horizontal: 114°~47°, Vertical: 62°~26°	Horizontal: 43°~15°, Vertical: 23°~8°	
Focus	Auto Focus / 1.2m Min. Focus Distance	Auto Focus / 2.5m Min. Focus Distance	
DORI			
Detect (25px/m)	58m (wide) / 131m (tele)	151m (wide) / 400m (tele)	
Observe (63px/m)	23m (wide) / 52m (tele)	60.7m (wide) / 160m (tele)	
Recognise (125px/m)	12m (wide) / 26m (tele)	30.3m (wide) / 80m (tele)	
Identify (250px/m)	6m (wide) / 13m (tele)	15.1m (wide) / 40m (tele)	
Resolution	4.0MP (2688 x 1520) to CIF (352 x 288)		
Frame Rate	Main	4.0MP (1 ~ 25fps) / 3.0MP (1 ~ 25fps) / 2.0MP (1 ~ 50fps)	
	Sub	D1 (1 ~ 50fps)	
	Third	1080p (1 ~ 16fps)	
Video Compression	H.265, H.264, H.264H, H.264B, MJPEG (Sub Stream)		
Bit Rate	H.264: 32Kbps ~ 8192Kbps / H.265: 19Kbps ~ 8192Kbps		
Bit Rate Control	Constant bit rate (CBR) / Variable bit rate (VBR)		
Day/Night	Auto (ICR) / Color / B&W		
Lighting Compensation	BLC / HLC / WDR (140dB)		
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°)		
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	Yes		
Event Trigger	Motion Detection, Video Tampering, Scene Changing, Network Disconnection, IP Address Conflict, Illegal Access, Storage Anomaly		
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; PPPoE; 802.1x; SNMP		
Streaming Method	Unicast / Multicast		
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	2 channel in: 5mA 5VDC / 1 channel out: 300mA 12VDC		
RS485	N/A		
Edge Storage	MicroSD Card (up to 256GB) / NAS / FTP / SFTP		
Interoperability	ONVIF / P2P / CGI / Milestone / Genetec		
Power Supply	12VDC / PoE (802.3af) (Class 4)	12VDC / PoE (802.3af) (Class 0)	
Power Consumption	<15.2W (Heater on)	<10.9W	
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°		
Dimensions	273mm x 95mm x 95mm		
Net Weight	1.11kg		
Application			

Your local VIP Vision™ IP solutions professional:

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