




-  AI People & Vehicle Detection
-  Face Capture
-  People Counting



The best in AI surveillance.

Ultimate AI Series: Motorised AI bullets with face capture in 4.0MP & 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



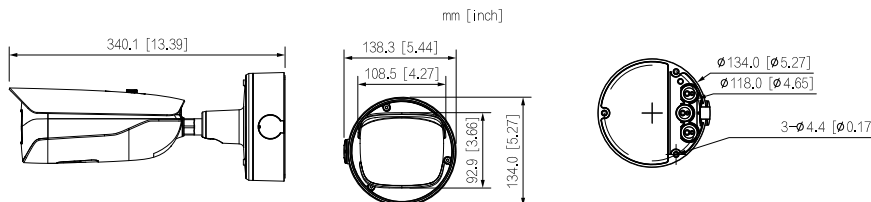
AI-Enhanced Face Detection



People Counting & Flow Control

Specifications		4.0MP Motorised AI Bullet	8.0MP Motorised AI Bullet
Ordering Information		CAM471	CAM469
Camera	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	
	Min Illumination	0.003 Lux / F1.8 (Color)	0.003 Lux / F1.2 (Color)
	S/N Ratio	> 50dB	> 56dB
Infrared System		4 x Infrared LED, 50m range, Auto/manual on/off control	4 x Infrared LED, 60m range, Auto/manual on
Lens	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: 112.1°~47.5°, Vertical: 58°~26.6°
	Focus	Auto Focus / 1.2m Min. Focus Distance	Auto Focus / 1.75m Min. Focus Distance
DORI	Detect (25px/m)	58m (wide) / 131m (tele)	88m (wide) / 187m (tele)
	Observe (63px/m)	23m (wide) / 52m (tele)	35m (wide) / 79m (tele)
	Recognise (125px/m)	12m (wide) / 26m (tele)	18m (wide) / 37m (tele)
	Identify (250px/m)	6m (wide) / 13m (tele)	9m (wide) / 19m (tele)
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)	D1 (1 ~ 25fps)
	Third	1080p (1 ~ 50fps)	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: 3Kbps ~ 20480Kbps / H.265: 3Kbps ~ 20480Kbps
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)	
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	
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	
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	1 input (3.5 mm JACK port) / 1 output (3.5 mm JACK 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 3V-5VDC / 2 channel out: 1,000 mA 30VDC/500 mA 50VDC
Edge Storage		MicroSD Card (up to 256GB) / NAS / FTP / SFTP	
Interoperability		ONVIF / P2P / CGI / Milestone / Genetec	ONVIF (Profile S/Profile G/Profile T) / P2P / CGI / Milestone / Genetec
Power Supply		12VDC (±30%) / PoE (802.3af) / ePoE	12VDC (±25%) / 24VAC (±30%) / PoE (802.3af) / ePoE
Power Consumption		<15.2W (heater + infrared)	<15.9W (heater + infrared)
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	340.1mm x 138.3mm x 134.0mm
Net Weight		1.11kg	1.6kg

Application



Junction Box	
MB1036	*8.0MP junction box built-in
Pole Mount	
MB1036 + MB1027	
Corner Mount	
MB1036 + MB1026	
*8.0MP no additional brackets	

Your local VIP Vision™ IP solutions professional: