

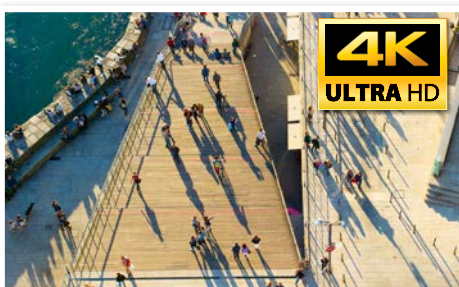


Identify people & vehicles.

Professional AI Series: Fixed AI turret dome cameras in 4.0MP, 6.0MP and 8.0MP

The Professional AI Series utilises the latest in AI machine learning technology to identify people & vehicles with superior accuracy and reliability. Experience improved AI performance with Smart Motion Detection (SMD 4.0) that minimises false triggers and detects humans & vehicles with a 99% accuracy rate. AI Smart Scene Adaptive (AI SSA) detects and adjusts for fog, glare, low light and rain to ensure capture of clear video evidence.

- Stream up to 8.0MP (3840 x 2160) at 25fps
- H.265 encoding for efficient storage & streaming
- Up to 50m infrared range; true day/night (auto ICR)
- Back/highlight compensation & true WDR (120dB)
- MicroSD slot for recording at the edge up to 256GB
- AI weather and anti-flicker scene self-adaption
- Smart Motion Detection (SMD 4.0) for person detection (up to 12m) and vehicle detection (up to 18m)
- 3D digital noise reduction & auto white balance
- IP67 weather rated housing for outdoor use



Record up to 4K in Real Time (25fps)



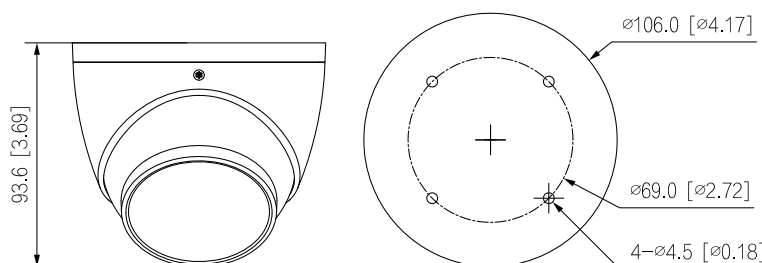
Smart Person & Vehicle Detection



AI Scene Adaptation

Specifications		4.0MP Fixed AI Turret Dome	6.0MP Fixed AI Turret Dome	8.0MP Fixed AI Turret Dome
Ordering Information		CAM478	CAM4121	CAM4116
Camera	Image Sensor	1/3" 4.0MP Progressive Scan CMOS	1/2.7" 6.0MP Progressive Scan CMOS	1/2.8" 8.0MP Progressive Scan CMOS
	Effective Pixels	2688 (H) x 1520 (V)	3072 (H) x 2048 (V)	3840 (H) x 2160 (V)
	RAM / ROM	512MB / 128MB	1 GB / 128MB	1 GB / 128MB
	Min Illumination	0.005 Lux/F1.4 (Colour)	0.005 Lux/F1.4 (Colour)	0.007 Lux/F1.4 (Color)
	S/N Ratio	>56dB		
Lens	Infrared System	2 x Infrared LED, 50m range, Auto/manual on/off control	2 x Infrared LED, 30m range, Auto/manual on/off control	2 x Infrared LED, 30m range, Auto/manual on/off control
	Lens / Iris	2.8mm F1.4 Fixed Lens		
	Field of View	Horizontal: 102°, Vertical: 54°, Diagonal: 121°	Horizontal: 97°, Vertical: 71°, Diagonal: 129°	Horizontal: 107°, Vertical: 56°, Diagonal: 127°
DORI	Focus	Auto Focus / 0.9m Min. Focus Distance	Auto Focus / 1.1m Min. Focus Distance	Fixed / 1.5m Min. Focus Distance
	Detect (25px/m)	64 m	64 m	88 m
	Observe (63px/m)	25 m	25 m	35 m
	Recognise (125px/m)	13 m	13 m	18 m
	Identify (250px/m)	6 m	6 m	9 m
Video	Resolution	4.0MP (2688 x 1520) to CIF (352 x 288)	6.0MP (3072 x 1728) to CIF (352 x 288)	8.0MP (3840 x 2160) to CIF (352 x 288)
	Frame Rate	Main	4.0MP (1 ~ 25fps)	6.0MP (1 ~ 25fps)
		Sub	D1 (1 ~ 25fps)	8.0MP (1 ~ 25fps)
		Third	1080p (1 ~ 25fps)	
	Video Compression	H.265 / H.264H / H.264 / H.264B / MJPEG		
	Bit Rate	H.265: 3 ~ 8192Kbps / H.264: 3 ~ 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)		
	Smart Scene Adaptive	SSA		
	White Balance	Auto / Natural / Street Lamp / Outdoor / Manual / Regional Custom		
	Gain Control	Auto		
	Noise Reduction	3D DNR		
	Picture Control	Mirror / Flip (0°, 90°, 180°, 270°) (Support 90°/270° with 4.0MP resolution and lower)		
IVS	Video Functions	Motion Detection (4 zones), Region of Interest (4 zones), Privacy Masking (4 zones), Smart Infrared		
	AI Functions	Smart Motion Detection (SMD 4.0): People and vehicle detection using motion detection Perimeter Protection: People and vehicle detection using tripwire or intrusion rules		
	Intelligent search	Search people or vehicle detection events (SMD 4.0, Perimeter Protection)		
Network	Ethernet	RJ-45 (10/100 Base-T)		
	Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP		
	Streaming Method	Multicast		
	Max. User Access	20 Users		
Interface	Audio Interface	Built-in Mic / Audio Compression - G.711a; G.711Mu; G.726; PCM; G.723		
	Alarm Interface	N/A		
	RS485	N/A		
	Edge Storage	MicroSD Card (up to 256GB) / NAS / FTP / SFTP		
	Interoperability	ONVIF / P2P / CGI / Milestone / Genetec		
Environmental	Power Supply	12VDC / PoE (802.3af)		
	Power Consumption	<7.9W	<8.9W	<8.9W
	Operating Conditions	-40°C ~ +60°C / ≤95% RH		
	Ingress Protection	IP67		
	Housing	Metal		
	Pan/Tilt/Rotation	Pan: 0° ~ 360°, Tilt: 0° ~ 78°, Rotation: 0° ~ 360°		
	Dimensions	Ø106mm x 93.6mm		
Net Weight		0.50kg		

Application



Junction Box		Wall Mount	
MB1047		MB1046	MB1060 + VSBKTB305W
Pole Mount			Ceiling Mount
MB1047 + MB1027		MB1046 + MB1027	MB1060 + VSBKTB220C

Your local VIP Vision™ IP solutions professional: