



# Identify people & vehicles.

## Professional AI Series: Motorised AI turret dome cameras in 4.0MP & 8.0MP

The Professional AI Series identifies people & vehicles using machine learning, to reduce false motion detection alerts and provide meaningful video event notifications in real-time. When used in conjunction with a VIP Vision NVR, person and vehicle events can be isolated in footage playback to improve surveillance efficiency.

- Stream up to 8.0MP (3840 x 2160) at 20fps
- 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
- Intelligent AI detection to identify people & vehicles
- Smart Motion Detection (SMD+) & Perimeter Protection to prevent false alarms, using VIP Vision NVRs
- 3D digital noise reduction & auto white balance
- IP67 weather rated housing for outdoor use



**Record at 4K Ultra HD Resolution**



**Smart Person & Vehicle Detection**



**Superb Low Light Performance**

Specifications		4.0MP Motorised AI Turret Dome	8.0MP Motorised AI Turret Dome	
<b>Ordering Information</b>		<b>CAM479:</b> 4.0MP Standard	<b>CAM4103:</b> 8.0MP Standard	
<b>Camera</b>	Image Sensor	1/3" 4.0MP Progressive Scan CMOS	1/2.8" 8.0MP Progressive Scan CMOS	
	Effective Pixels	2688 (H) x 1520 (V)	3840 (H) x 2160 (V)	
	RAM / ROM	512MB / 128MB	128MB / 512MB	
	Min Illumination	0.005 Lux/F1.5 (Color)	0.007 Lux/F1.5 (Color)	
	S/N Ratio	> 56dB		
	Infrared System	2 x Infrared LED, 40m range, Auto/manual on/off control	2 x Infrared LED, 50m range, Auto/manual on/off control	
<b>Lens</b>	Lens / Iris	2.7 ~ 13.5mm F1.5 Motorised Varifocal Lens with Fixed Iris		
	Field of View	Horizontal: 104°~27°, Vertical: 55°~15°	Horizontal: 113°~31°, Vertical: 58°~17° (5x Optical Zoom)	
	Focus	Auto Focus / 0.8m Min. Focus Distance		
<b>DORI</b>	Detect (25px/m)	64m (wide) / 220m (tele)	85m (wide) / 280m (tele)	
	Observe (63px/m)	26m (wide) / 88m (tele)	34m (wide) / 112m (tele)	
	Recognise (125px/m)	13m (wide) / 44m (tele)	17m (wide) / 56m (tele)	
	Identify (250px/m)	6m (wide) / 22m (tele)	8m (wide) / 28m (tele)	
<b>Video</b>	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)	8.0MP (1 ~ 20fps)
		Sub	D1 (1 ~ 25fps)	
		Third	720p (1 ~ 25fps)	1080p (1 ~ 25fps)
	Video Compression	H.265+ / H.265 / H.264+ / H.264 / H.264H / 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)			
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°)			
<b>IVS</b>	Video Functions	Motion Detection (4 zones), Region of Interest (4 zones), Privacy Masking (4 zones), Smart Infrared		
	AI Functions	<b>Smart Motion Detection (SMD+):</b> People and vehicle detection using motion detection <b>Perimeter Protection:</b> People and vehicle detection using tripwire or intrusion rules		
	Intelligent search	Search people or vehicle detection events (SMD+, Perimeter Protection)		
<b>Network</b>	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; SAMBA; PPPoE; 802.1x; SNMP		
	Streaming Method	Unicast / Multicast		
	Max. User Access	20 Users		
<b>Interface</b>	Video Interface	N/A		
	Audio Interface	Built-in Mic / Audio Compression - G.711a; G.711Mu; G726; AAC		
	Alarm Interface	N/A		
	RS485	N/A		
	Edge Storage	MicroSD Card (up to 256GB) / NAS / FTP / SFTP		
<b>Environmental</b>	Interoperability	ONVIF / P2P / CGI / Milestone / Genetec		
	Power Supply	12VDC / PoE (802.3af)		
	Power Consumption	<8.3W	<7.3W	
	Operating Conditions	-30°C ~ +60°C / ≤95% RH		
	Ingress Protection	IP67		
	Vandal Resistance	N/A		
	Housing	Metal		
	Pan/Tilt/Rotation	Pan: 0° ~ 360°, Tilt: 0° ~ 78°, Rotation: 0° ~ 360°		
Dimensions	Ø122mm x 108mm			
Net Weight	0.68kg	0.68kg		

Application						
	Junction Box		Wall Mount		Corner Mount	
	VSBKTA130E	VSBKTA137	VSBKTB203W	VSBKTA106 + VSBKTB305W	VSBKTA106 + VSBKTB305W + VSBKTA151	
	Pole Mount				Ceiling Mount	
VSBKTA106 + VSBKTB305W + VSBKTA150	VSBKTA130E + VSBKTA152E	VSBKTA137 + VSBKTA152E	VSBKTB203W + VSBKTA152E	VSBKTA106 + VSBKTB220C (+ VSBKTA117 optional extension)		

Your local VIP Vision™ IP solutions professional: