



# Identify people & vehicles.

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



Up to 4K Ultra HD Resolution



Smart Person & Vehicle Detection



Superb Low Light Performance

Specifications		4.0MP Fixed AI Turret Dome	6.0MP Fixed AI Turret Dome	8.0MP Fixed AI Turret Dome	
<b>Ordering Information</b>		<b>CAM478</b>	<b>CAM492: White</b> <b>VSIPP-6DIRG-IB: Black</b>	<b>CAM4116</b>	
<b>Camera</b>	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 1728 (V)	3840 (H) x 2160 (V)	
	RAM / ROM	512MB / 128MB			
	Min Illumination	0.005 Lux/F1.6 (Colour)	0.005 Lux/F1.6 (Colour)	0.007 Lux/F1.4 (Color)	
	S/N Ratio	>56dB			
	Infrared System	2 x Infrared LED, 50m range, Auto/manual on/off control	2 x Infrared LED, 50m range, Auto/manual on/off control	2 x Infrared LED, 30m range, Auto/manual on/off control	
<b>Lens</b>	Lens / Iris	2.8mm F1.6 Fixed Lens	2.8mm F1.6 Fixed Lens	2.8mm F1.4 Fixed Lens	
	Field of View	Horizontal: 103°, Vertical: 55°	Horizontal: 99°, Vertical: 53°	Horizontal: 108°, Vertical: 58°	
	Focus	Auto Focus / 0.9m Min. Focus Distance	Auto Focus / 0.9m Min. Focus Distance	Fixed / 1.4m Min. Focus Distance	
<b>DORI</b>	Detect (25px/m)	56m	56m	85m	
	Observe (63px/m)	22m	22m	34m	
	Recognise (125px/m)	11m	11m	17m	
	Identify (250px/m)	6m	6m	9m	
<b>Video</b>	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 ~ 20fps) / 4.0MP (1 ~ 25fps)	8.0MP (1 ~ 20fps)
		Sub	D1 (1 ~ 25fps)		
		Third	720p (1 ~ 25fps)	1080p (1 ~ 25fps)	1080p (1 ~ 25fps)
	Video Compression	H.265+ / H.265 / H.264+ / H.264 / H.264B / MJPEG			
	Bit Rate	H.265: 3 ~ 8192Kbps / H.264: 3 ~ 8192Kbps	H.265: 19 ~ 8192Kbps / H.264: 32 ~ 8192Kbps	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°) (Support 90°/270° with 2.0MP resolution)				
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; G.726; AAC; 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				
<b>Environmental</b>	Power Supply	12VDC / PoE (802.3af)			
	Power Consumption	<7.7W	<7.2W	<7.9W	
	Operating Conditions	-40°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	Ø106mm x 94mm			
Net Weight	0.55kg	0.55kg	0.53kg		

### Application

		Junction Box	Weather Shield	Wall Mount		Corner Mount
	VSBKTA130E	VSBKTA130E + VSBKTA200W	VSBKTB204W	VSBKTA106 + VSBKTB305W		VSBKTA106 + VSBKTB305W + VSBKTA151
	Corner Mount	Pole Mount		Ceiling Mount		
	VSBKTB204W + VSBKTA151	VSBKTA106 + VSBKTB305W + VSBKTA150	VSBKTA130E + VSBKTA152E	VSBKTB204W + VSBKTA152E		VSBKTA106 + VSBKTB220C (+ VSBKTA117 optional extension)

Your local VIP Vision™ IP solutions professional: