



# Smart perimeter protection.

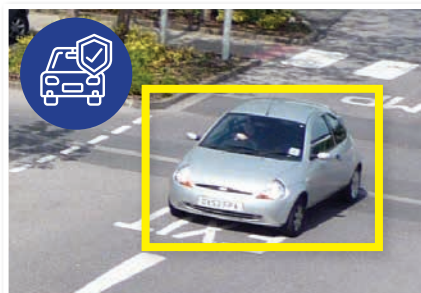
Professional AI Series: Motorised & fixed AI perimeter protection turret domes in 4.0MP

Featuring smart motion detection, the Professional AI Series can distinguish between people, vehicles & other motion to filter out false alarms, providing reliable real-time alerts and analytics. Achieving high quality video evidence with colour in low light & true WDR, these cameras excel at outdoors motion detection, tripwire and intrusion.

- Stream up to 4.0MP (2688 x 1520) at 25fps
- H.265 encoding for efficient storage & streaming
- Up to 40m infrared range; true day/night (auto ICR)
- MicroSD slot for recording at the edge up to 256GB
- Smart Motion Detection (AI NVR not required)
- Perimeter Protection combines Smart Motion Detection with tripwire/intrusion rules
- Back/highlight compensation & true WDR (120dB)
- 3D digital noise reduction & auto white balance
- IP67 weather rated housing for outdoor use



Double Full HD Resolution



Smart Perimeter Protection



Weather Resistant Housing

Specifications		4.0MP Motorised AI Turret Dome	4.0MP Fixed AI Turret Dome		
<b>Ordering Information</b>		<b>CAM479:</b> Standard	<b>CAM478:</b> Standard		
<b>Camera</b>	Image Sensor	1/3" 4.0MP Progressive Scan CMOS			
	Effective Pixels	2688 (H) x 1520 (V)			
	RAM / ROM	512MB / 128MB			
	Min Illumination	0.005 Lux/F1.5 (Color)			
	S/N Ratio	> 50dB			
<b>Infrared System</b>		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	2.8mm Fixed Focal Lens with Fixed Iris		
	Field of View	Horizontal: 104°~27°, Vertical: 55°~15°	Horizontal: 103°, Vertical: 55°		
	Focus	Auto Focus / 0.8m Min. Focus Distance	Auto Focus / 0.9m Min. Focus Distance		
<b>DORI</b>	Detect (25px/m)	64m (wide) / 220m (tele)	56m		
	Observe (63px/m)	26m (wide) / 88m (tele)	22m		
	Recognise (125px/m)	13m (wide) / 44m (tele)	11m		
	Identify (250px/m)	6m (wide) / 22m (tele)	6m		
<b>Resolution</b>		4.0MP (2688 x 1520) to CIF (352 x 288)			
<b>Frame Rate</b>	Main	4.0MP (1 ~ 20fps) / 3.0MP (1 ~ 25fps)	4.0MP (1 ~ 25fps)		
	Sub	D1 (1 ~ 25fps)			
	Third	720p (1 ~ 25fps)			
<b>Video Compression</b>		H.265 / H.264 / H.264H / H.264B / MJPEG			
<b>Bit Rate</b>		H.265: 3 ~ 8192Kbps / H.264: 3 ~ 8192Kbps			
<b>Bit Rate Control</b>		Constant bit rate (CBR) / Variable bit rate (VBR)			
<b>Day/Night</b>		Auto (ICR) / Color / B&W			
<b>Lighting Compensation</b>		BLC / HLC / WDR (120dB)			
<b>White Balance</b>		Auto / Natural / Street Lamp / Outdoor / Manual / Regional Custom			
<b>Gain Control</b>		Auto / Manual			
<b>Noise Reduction</b>		3D DNR			
<b>Picture Control</b>		Mirror / Flip (0°, 90°, 180°, 270°)	Mirror / Flip (0°, 90°, 180°, 270°) (Support 90°/270° with 2.0MP resolution)		
<b>IVS</b>	Intelligent Functions	Motion Detection (4 zones), Region of Interest (4 zones), Privacy Masking (4 zones), Smart Infrared			
	Perimeter Protection	Tripwire, Intrusion (recognition of human or vehicle)			
	Intelligent search	Search tripwire / intrusion events by people or vehicle (requires AI NVR)			
<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; PPPoE; 802.1x; SNMP			
	Streaming Method	Unicast / Multicast			
	Max. User Access	20 Users			
<b>Video Interface</b>		N/A			
<b>Audio Interface</b>		Built-in Mic / Audio Compression - G.711a; G.711Mu; G726; AAC			
<b>Alarm Interface</b>		N/A			
<b>RS485</b>		N/A			
<b>Edge Storage</b>		MicroSD Card (up to 256GB) / NAS / FTP / SFTP			
<b>Interoperability</b>		ONVIF / P2P / CGI / Milestone / Genetec			
<b>Power Supply</b>		12VDC / PoE (802.3af)			
<b>Power Consumption</b>		<8.3W			
<b>Environmental</b>	Operating Conditions	-30°C ~ +60°C / ≤95% RH	-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°			
<b>Dimensions</b>		Ø122mm x 108mm	Ø122mm x 99mm		
<b>Net Weight</b>		0.68kg	0.48kg		
<b>Installation</b>	Dimensions & Mounting Options				
			Junction Mount	Pole Mount	Wall Mount
			MB1064	MB1043 + MB1027	MB1043

Your local VIP Vision™ IP solutions professional: