



# Smart perimeter protection.

Professional AI Series: Motorised & fixed AI perimeter protection vandal 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 50m 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 & IK10 vandal rated housing



Double Full HD Resolution



Smart Perimeter Protection



Weather & Vandal Resistant

Specifications		4.0MP Motorised AI Vandal Dome		4.0MP Fixed AI Vandal Dome		
<b>Ordering Information</b>		<b>CAM477: Standard</b>		<b>CAM476 Standard</b>		
<b>Camera</b>	<b>Image Sensor</b>	1/3" 4.0MP Progressive Scan CMOS				
	<b>Effective Pixels</b>	2688 (H) x 1520 (V)				
	<b>RAM / ROM</b>	128MB / 128MB		512MB / 128MB		
	<b>Min Illumination</b>	0.008 Lux/F1.5 (Color)				
	<b>S/N Ratio</b>	> 50dB				
<b>Infrared System</b>		2 x Infrared LED, 40m range, Auto/manual on/off control		3 x Infrared LED, 50m range, Auto/manual on/off control		
<b>Lens</b>	<b>Lens / Iris</b>	2.7 ~ 13.5mm F1.5 Motorised Varifocal Lens with Fixed Iris		2.8mm Fixed Lens with Fixed Iris		
	<b>Field of View</b>	Horizontal: 104°~27°, Vertical: 55°~15° (5x Optical Zoom)		Horizontal: 103°, Vertical: 55°		
	<b>Focus</b>	Auto Focus / 0.8m Min. Focus Distance		Fixed / 0.9m Min. Focus		
<b>DORI</b>	<b>Detect (25px/m)</b>	64m (wide) / 220m (tele)		56m		
	<b>Observe (63px/m)</b>	26m (wide) / 88m (tele)		22m		
	<b>Recognise (125px/m)</b>	13m (wide) / 44m (tele)		11m		
	<b>Identify (250px/m)</b>	6m (wide) / 22m (tele)		6m		
<b>Resolution</b>		4.0MP (2688 x 1520) to CIF (352 x 288)				
<b>Video</b>	<b>Frame Rate</b>	<b>Main</b>	4.0MP (1 ~ 20fps) / 3.0MP (1 ~ 25fps)		4.0MP (1 ~ 25fps)	
		<b>Sub</b>	D1 (1 ~ 25fps)		D1 (1 ~ 25fps)	
		<b>Third</b>	N/A		720p (1 ~ 25fps)	
<b>Video Compression</b>		H.265 / H.264 / H.264B / MJPEG				
<b>Bit Rate</b>		H.265: 12 ~ 6144Kbps / H.264: 32 ~ 6144Kbps		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° at 2.0MP resolution)		
<b>IVS</b>	<b>Intelligent Functions</b>		Motion Detection (4 zones), Region of Interest (4 zones), Privacy Masking (4 zones), Smart Infrared			
	<b>Perimeter Protection</b>		Tripwire, Intrusion (recognition of human or vehicle)			
	<b>Intelligent search</b>		With a smart NVR intelligent search. Search tripwire/ intrusion events by people or vehicle.			
<b>Network</b>	<b>Ethernet</b>		RJ-45 (10/100Base-T)			
	<b>Protocol</b>		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; Bonjour			
	<b>Streaming Method</b>		Unicast / Multicast			
	<b>Max. User Access</b>		20 Users			
<b>Interface</b>	<b>Video Interface</b>		N/A			
	<b>Audio Interface</b>		1 input (RCA Port) / 1 output (RAC Port) / Audio Compression - G.711a; G.711Mu; G726; AAC			
	<b>Alarm Interface</b>		1 channel in: 5mA 5VDC / 1 channel out: 300mA 12VDC			
	<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>Environmental</b>	<b>Power Consumption</b>		<6.5W		<7.3W	
	<b>Operating Conditions</b>		-30°C ~ +60°C, ≤95% RH			
	<b>Ingress Protection</b>		IP67			
	<b>Vandal Resistance</b>		IK10			
	<b>Housing</b>		Metal			
<b>Pan/Tilt/Rotation</b>		Pan: 0° ~ 355°, Tilt: 0° ~ 75°, Rotation: 0° ~ 355°		Pan: 0° ~ 355°, Tilt: 0° ~ 65°, Rotation: 0° ~ 355°		
<b>Dimensions</b>		Ø122mm x 89mm		Ø110mm x 81mm		
<b>Net Weight</b>		0.47kg		0.38kg		
<b>Installation</b>	<b>Dimensions &amp; Mounting Options</b>					
			Motorised / Fixed		MB1048      MB1043 + MB1027      MB1043      MB1062	

Your local VIP Vision™ IP solutions professional: