

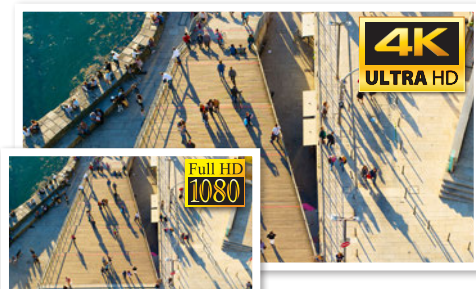


# Identify people & vehicles.

## Professional AI Series: Fixed AI vandal 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 & IK10 vandal rated housing



Record at 4K Ultra HD Resolution



Smart Person & Vehicle Detection



Superb Low Light Performance

Specifications		4.0MP Fixed AI Vandal Dome	8.0MP Fixed AI Vandal Dome
<b>Ordering Information</b>		<b>VSIPP-4DIRD-I</b>	
<b>Image Sensor</b>		1/3" 4.0MP Progressive Scan CMOS	1/2.8" 8.0MP Progressive Scan CMOS
<b>Effective Pixels</b>		2688 (H) x 1520 (V)	3840 (H) x 2160 (V)
<b>RAM / ROM</b>		512MB / 128MB	
<b>Min Illumination</b>		0.005 Lux/F1.6 (Color)	0.007 Lux/F1.4 (Color)
<b>S/N Ratio</b>		> 56dB	
<b>Infrared System</b>		3 x Infrared LED, 50m range, Auto/manual on/off control	
<b>Lens / Iris</b>		2.8mm F1.6 Fixed Lens	2.8mm F1.4 Fixed Lens
<b>Field of View</b>		Horizontal: 103°, Vertical: 55°	Horizontal: 108°, Vertical: 58°
<b>Focus</b>		Fixed / 0.9m Min. Focus	Fixed / 1.4m Min. Focus
<b>DORI</b>			
<b>Detect (25px/m)</b>		56m	85m
<b>Observe (63px/m)</b>		22m	34m
<b>Recognise (125px/m)</b>		11m	17m
<b>Identify (250px/m)</b>		6m	9m
<b>Resolution</b>		4.0MP (2688 x 1520) to CIF (352 x 288)	8.0MP (3840 x 2160) to CIF (352 x 288)
<b>Frame Rate</b>	<b>Main</b>	4.0MP (1 ~ 25fps)	8.0MP (1 ~ 20fps)
	<b>Sub</b>	D1 (1 ~ 25fps)	
	<b>Third</b>	720p (1 ~ 25fps)	
<b>Video Compression</b>		H.265+ / H.265 / H.264+ / H.264 / 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>Smart Scene Adaptive</b>		SSA	
<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°) (Support 90°/270° at 2.0MP resolution)	
<b>Video Functions</b>		Motion Detection (4 zones), Region of Interest (4 zones), Privacy Masking (4 zones), Smart Infrared	
<b>AI Functions</b>		<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	
<b>Intelligent search</b>		Search people or vehicle detection events (SMD+, Perimeter Protection)	
<b>Network</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; SAMBA; PPPoE; 802.1x; SNMP	
<b>Streaming Method</b>		Unicast / Multicast	
<b>Max. User Access</b>		20 Users	
<b>Video Interface</b>		N/A	
<b>Audio Interface</b>		1 input (RCA Port) / 1 output (RCA Port) / Audio Compression - G.711a; G.711Mu; G726; AAC	
<b>Alarm Interface</b>		1 channel in: 5mA 3-5VDC / 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>Power Consumption</b>		<7.3W	<7W
<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° ~ 65°, Rotation: 0° ~ 355°	
<b>Dimensions</b>		Ø110mm x 81mm	
<b>Net Weight</b>		0.38kg	

### Application

Application Diagrams	Junction Box		Weather Shield	Wall Mount		Corner Mount
		VSBKTA136	VSBKTA123	VSBKTA136 + VSBKTA200W	VSBKTB203W	VSBKTA106 + VSBKTB305W
	Corner Mount		Pole Mount			Ceiling Mount
	VSBKTA123 + VSBKTA151	VSBKTA136 + VSBKTA152E	VSBKTB203W + VSBKTA152E	VSBKTA123 + VSBKTA152E	VSBKTA106 + VSBKTB305W + VSBKTA150	VSBKTA106 + VSBKTB220C (+ VSBKTA117 optional extension)

Your local VIP Vision™ IP solutions professional: