



4.0
MEGAPIXEL

Panoramic & AI combined.

Professional AI Series: AI panoramic vandal dome in 4.0MP

Capture entire scenes and perform the role of multiple cameras with the VIP Vision Panoramic Series. Control a 180-degree panorama with virtual PTZ functions to keep watch over driveways, parking lots and warehouse floors, even with low-light colour. Search playback and receive alerts with AI Person and Vehicle Detection modes, transforming the way you use your surveillance system.

- Stream up to 4.0MP (2688 x 1520) at 25fps
- 2.1mm panoramic lens for 170° field of view (Lens Distortion Control enabled; 180° when disabled)
- Back/highlight compensation & true WDR (120dB)
- 15m infrared range & virtual PTZ control
- Starlight sensor for superb low-light performance
- Intelligent AI detection to identify people & vehicles
- Smart Motion Detection (SMD+) & Perimeter Protection for AI alerts and to prevent false alarms
- MicroSD slot for recording at the edge up to 256GB
- 3D digital noise reduction & auto white balance
- IP67 weather & IK10 vandal rated for outdoor use



Superb Image Performance



Wide-Angle View & Infrared



Smart Person & Vehicle Detection

Specifications		4.0MP AI Panoramic Dome	
Ordering Information		VSIPP-4DIRW-I	
Camera	Image Sensor	1/2.7" 4.0MP Progressive Scan CMOS	
	Effective Pixels	2880 (H) x 1620 (V)	
	RAM / ROM	512MB / 128MB	
	Min Illumination	0.01 Lux / F1.6 (Color), 0.001 lux / F2.0 (B/W, 30 IRE), 0 lux (IR on)	
	S/N Ratio	> 56dB	
	Infrared System	2 x Infrared LED, 15m range, auto	
	Lens / Iris	2.1mm F2.0 Fixed Lens with Fixed Iris	
Lens	Field of View	LDC (Lens Distortion Control), enabled by default Horizontal: 170°, Vertical: 75°, Diagonal: 175° Horizontal: 180°, Vertical: 78°, Diagonal: 180°	
	Focus	Auto Focus / 0.6m Min. Focus Distance	
DORI	Detect (25px/m)	52m	
	Observe (63px/m)	21m	
	Recognise (125px/m)	10m	
	Identify (250px/m)	5m	
Video	Resolution	5.0 MP (2880 x 1620) / 4.0MP (2688 x 1520) to CIF (352 x 288)	
	Frame Rate	Main	5.0MP (1 ~ 20fps) / 4.0MP (1 ~ 25fps)
		Sub	D1 (1 ~ 25fps)
		Third	1080p (1 ~ 25fps)
	Video Compression	H.265/H.264/H.264H/H.264B/MJPEG	
	Bit Rate	H.264/H.265: 3 ~ 8192 kbps	
	Bit Rate Control	Constant bit rate (CBR) / Variable bit rate (VBR)	
	Day/Night	Auto (ICR) / Color / B&W	
	Lighting Compensation	BLC / HLC / WDR (120dB)	
	Smart Scene Adaptive	N/A	
	White Balance	Auto / Natural / Street Lamp / Outdoor / Manual / Regional Custom	
	Gain Control	Auto / Manual	
	Noise Reduction	3D NR	
	Picture Control	Mirror / Flip (0°, 90°, 180°, 270°) (4.0MP supports 90° & 270° at 1080p resolution)	
IVS	Intelligent Functions	Motion Detection (4 zones), Region of Interest (4 zones), Privacy Masking (8 areas), Smart Infrared, Abandoned Object, Moving Object	
	Perimeter Protection	Tripwire & Intrusion (Add recognition of humans & vehicles), Fast Moving Detection, Loitering Detection, Parking & Gathering Detection	
	Face Detection	N/A	
	Face Attributes	N/A	
	People Counting	N/A	
	Heat Map	N/A	
	Event Trigger	Motion Detection, Video Tampering, Scene Changing, Network Disconnection, IP Address Conflict, Illegal Access	
	Intelligent Search	Via NVR Smart Search / Search tripwire/intrusion events by people or vehicle, Search footage by face image and face attributes	
Network	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	Multicast	
	Max. User Access	20 Users	
Interface	Video Interface	N/A	
	Audio Interface	1 input (RCA Port), 1 output (RCA Port) / Audio Compression: G.711a; G.711Mu; G.726; G.723	
	Alarm Interface	1 channel in: 5mA 3VDC / 1 channel out: 1000mA 30VDC or 500mA 50V DC	
	RS485	N/A	
	Edge Storage	MicroSD Card (up to 256GB) / NAS / FTP / SFTP	
	Interoperability	ONVIF / P2P / CGI	
Environmental	Power Supply	12VDC / PoE (802.3af)	
	Power Consumption	<7.7W	
	Operating Conditions	-40°C ~ +60°C, ≤95% RH	
	Ingress Protection	IP67	
	Vandal Resistance	IK10	
	Housing	Metal	
	Pan/Tilt/Rotation	Pan: 0° ~ 355°, Tilt: 0° ~ 80°, Rotation: 0° ~ 355°	
	Dimensions	Ø122.0 mm x 94 mm	
Net Weight	550 g		

Applications			
Wall Mount	Junction Box	Pole Mount	Ceiling Mount
VSBKT203W	VSBKTA137	VSBKT203W + VSBKTA152E	VSBKT220C

Your local VIP Vision™ IP solutions professional: