



Total coverage, every angle.

PTZ AI Series: PTZ positioning camera with AI powered video analytics

Built for complete open-area coverage, the vandal-resistant AI PTZ combines the flexibility and power of PTZ with the utility of smart AI features. The PTZ AI Series identifies people & vehicles using machine learning, to reduce false motion detection alerts and provide meaningful video event notifications in real-time.

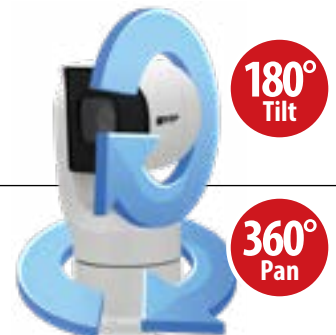
- Stream up to 2.0MP (1920 x 1080) at 50fps
- 25x optical zoom lens (59.2° ~ 2.4° viewing angles)
- Low light colour performance at 0.005lx; 150m IR
- Auto tracking with intelligent video functions
- Intelligent AI detection to identify people & vehicles
- Smart Motion Detection (SMD+) & Perimeter Protection to prevent false alarms, using VIP Vision NVRs
- MicroSD slot for recording at the edge up to 256GB
- Supports Power over Ethernet (802.3af) or 24VAC
- IP67 weather rated & lightning proof housing



Up to 25x Lossless Optical Zoom



Smart Person & Vehicle Detection



Complete Pan-Tilt Area Coverage

Specifications		2.0MP AI PTZ Positioning Camera		
Ordering Information		VSIPPTZ-2IRW-12		
Camera	Image Sensor	1/2.8" 2.0MP Progressive Scan CMOS		
	Effective Pixels	1920 (H) x 1080 (V)		
	RAM / ROM	1GB / 4GB		
	Min Illumination	0.005 Lux/F1.6 (Color), 0.0005 Lux/ F1.6 (B/W), 0 Lux (IR on)		
	S/N Ratio	≥61dB		
Lens	Infrared System	4 x Infrared LED, 150m range, Zoom Prio / Manual / OFF on/off control		
	Lens / Iris	4.8 ~ 120mm F1.6 ~ F3.5 Motorised Lens with Auto/Manual Iris control		
	Field of View	Horizontal: 58.5~2.8°, Vertical: 33.2~1.5° (25x Optical Zoom)		
DORI	Focus	Auto/Semi-Auto/Manual / 0.1 ~ 1.5m Min. Focus Distance		
	Detect (25px/m)	1655m		
	Observe (63px/m)	654m		
	Recognise (125px/m)	331m		
	Identify (250px/m)	165m		
PTZ	Pan / Tilt Range	Pan: 0 ~ 360° / Tilt: -90 ~ 90°		
	PTZ Speed	Preset: Pan: 160°/s; Tilt: 110°/s Manual: Pan: 0.1° ~ 120°/s; Tilt: 0.1° ~ 75°/s		
	Modes / Presets	Up to 300 presets / 8 tour		
	Start-up Action	Auto-restore to previous PTZ/lens status		
	Auto Tracking	Yes		
Video	Resolution	1080p (1920 x 1080) to CIF (352 x 288)		
	Frame Rate	Main	1080p (1 ~ 25fps)	
		Sub	D1/ CIF (1 ~ 25fps)	
		Third	1080p / 960p / 720p / D1 / CIF (1 ~ 25fps)	
	Video Compression	H.264H; H.264B; Smart H.265+; H.264; H.265; Smart H.264+; MJPEG (Sub Stream)		
	Bit Rate	H.264: 64 ~ 10496Kbps / H.265: 25 ~ 6400Kbps		
	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 / Indoor / Outdoor / Track / Manual / Sodium Lamp / Natural Light / Street Lamp		
	Gain Control	Auto / Manual		
Noise Reduction	2D / 3D			
Picture Control	Flip 180°			
IVS	Video Functions	Abandoned/Missing Object, Motion Detection, Region of Interest, Electronic Image Stabilisation, Privacy Masking (24 zones), Defog		
	AI Functions	Face recognition (face snapshots, detection, enhancement of face images), Perimeter protection (tripwire & intrusion with person/vehicle detection), Metadata (body & face attributes, vehicle attributes), Auto tracking via person/vehicle detection		
	Event Trigger	Motion Detection, Video Tampering, Audio Detection, Network Disconnection, IP Address Conflict, Illegal Access, Storage Anomaly		
Network	Ethernet	RJ-45 (10Base-T/100Base-TX)		
	Protocol	IPv4; IPv6; HTTP; HTTPS; 802.1x; Qos; FTP; SMTP; UPnP; SNMP; DNS; DDNS; NTP; RTSP; RTP; TCP; UDP; IGMP; ICMP; DHCP; PPPoE; ARP; SNMPv1/v2c/v3 (MIB-2); RTCP; RTMP		
	Streaming Method	Unicast / Multicast		
	Max. User Access	20 Users		
Interface	Video Interface	N/A		
	Audio Interface	1 Input, 1 Output / Supports Two-way Audio / Compression: G.711a; G.711Mu; G.726; AAC; MPEG2-Layer2; G.722.1; G.729; G.723		
	Alarm Interface	2 Inputs / 1 Output / Alarm Linkage: Capture; Preset; Tour; Pattern; SD Card Record; Trigger Digital Output; Client Electronic Map; Send Email		
	RS485	N/A		
	Edge Storage	MicroSD Card (up to 256GB) / FTP / NAS		
Environmental	Interoperability	ONVIF (Profile S/ Profile G /Profile T) / CGI / SDK/ P2P		
	Power Supply	12VDC 4A ± 10% / PoE (802.3af)		
	Power Consumption	<16W / <24W (IR on, PTZ operations)		
	Operating Conditions	-40° ~ +70° C / ≤95% RH		
	Ingress Protection	IP67		
	Surge Protection	TVS 6000V Lightning Proof / Surge Protection / Voltage Transient Protection		
	Housing	Die cast aluminum		
	Dimensions	161mm x 135mm x 292mm		
Net Weight	3.6kg			
Application				
Included Accessories		Junction Box	Wall Mount	
12VDC/4A Power Adapter		VSBKTA720	VSBKTB730W	