



**Starlight**  
Camera



Face  
Capture



AI People  
& Vehicle  
Detection



AI Auto  
Tracking



# Big AI features, compact size

## Pro AI PTZ Series: 25x Optical Zoom PTZ Dome in 4.0MP

This network PTZ dome offers versatile surveillance and affordability without skipping on highlights of the Pro AI Series. Ensure all areas are covered with up to 25x optical zoom. Experience impressive AI with real-time face detection and AI Perimeter Protection technology, providing meaningful video event notifications in real-time.

- Stream up to 4.0MP (2560x1440) at 25fps
- Responsive 240°/s pan and 160°/s tilt speeds
- True WDR (120dB) and colour low light at 0.005lx
- Superb Infrared distance up to 100m
- MicroSD slot for recording at the edge up to 512GB
- Endless 360° panning and -5° ~ 90° tilt adjustable
- Face detection & intelligent video analytic functions
- Auto-tracking, alarm I/O and audio I/O support
- IP66 weather resistance

*\*AI auto-tracking activates only via people detection*



**Smart Person & Vehicle Detection**

**25x**



**25x Lossless Optical Zoom**



**AI Auto-Tracking**

Specifications		4.0MP 25x Zoom PTZ with AI	
<b>Ordering Information</b>		<b>VSIPPTZ-4IRC-I</b>	
<b>Camera</b>	Image Sensor	1/2.8" 4.0MP Starvis™ CMOS	
	Effective Pixels	2560 (H) x 1440 (V)	
	RAM / ROM	512MB / 128MB	
	Min Illumination	0.005 Lux/F1.6 (Colour), 0.0005 Lux/F1.6 (B/W)/0 Lux (IR Light On)	
<b>Lens</b>	Infrared System	4 x Infrared LED, 150m range, Zoom Prio/Auto/Manual/Smart IR On/Off control	
	Lens / Iris	5mm ~ 125mm F1.6 ~ F3.6 Motorised Lens	
	Field of View	51.9° ~ 3.0° (H), 39.7° ~ 2.2° (V), 63.1° ~ 3.7° (D) (25x Optical Zoom)	
	Focus	Auto/Semi-Auto/Manual / 0.1m ~ 1.5m Min. Focus Distance	
<b>DORI</b>	Detect (25px/m)	2500m	
	Observe (63px/m)	987m	
	Recognise (125px/m)	500m	
	Identify (250px/m)	250m	
<b>PTZ</b>	Pan / Tilt Range	Pan: 0° ~ 360° (endless) / Tilt: -5° ~ 90° / Auto Flip 180°	
	PTZ Speed	<b>Preset:</b> Pan: 240°/s; Tilt: 160°/s <b>Manual:</b> Pan: 240°/s; Tilt: 160°/s	
	Modes / Presets	Up to 300 presets / 5 Pattern, 8 Tour, 5 scanning, Auto Pan, Auto Scan	
	Start-up Action	Auto-restore to previous PTZ/lens status	
	Auto Tracking	Support	
<b>Video</b>	Resolution	4.0MP (2560 x 1440) to CIF (352 x 288)	
	Frame Rate	Main	4.0MP (1 ~ 25fps)
		Sub	D1 (1 ~ 25fps)
		Third	720p (1 ~ 25fps)
	Video Compression	H.265/H.264B/H.264M/H.264H/MJPEG/H.265+/H.264+	
	Bit Rate	H.265/H.264: 3 kbps~20480 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)	
	White Balance	Auto / Indoor / Outdoor / Tracking / Manual / Sodium lamp / Natural light / Street lamp	
	Gain Control	Auto / Manual	
	Noise Reduction	2D / 3D DNR	
Picture Control	Flip 0°/180°		
<b>IVS</b>	Intelligent Functions	Abandoned/Missing Object, Motion Detection, Region of Interest, Electronic Image Stabilisation, Privacy Masking (24 zones), Defog	
	Perimeter Protection	Tripwire & Intrusion (Add recognition of humans & vehicles)	
	Intelligent Search	Via NVR Smart Search, Search tripwire/intrusion events by people or vehicle	
	SMD+	Filter motion detection alarms, recognises humans and vehicles from other moving objects	
	Metadata	Supports human, motor vehicles and non motor vehicle search. Supports face image capture and footage search by face image & facial attributes	
<b>Network</b>	Ethernet Protocol	RJ-45 (10/100Base-T)	
	Streaming Method	Unicast / Multicast	
	Max. User Access	20 Users	
	Audio Interface	1 Input / 1 Output / Compression: G.711A; G.711Mu; G.726; AAC; G.722.1; G.723; G.729; PCM; MPEG2-Layer2	
<b>Interface</b>	Alarm Interface	2 Inputs / 1 Output	
	RS485	N/A	
	Edge Storage	FTP; Micro SD card (256G); P2P	
	Interoperability	ONVIF Profile S&G&T; CGI	
<b>Environmental</b>	Power Supply	12VDC/3A (±25%) / PoE+ (802.3at)	
	Power Consumption	<9.5W / <21.5W (IR on)	
	Operating Conditions	-40° ~ +65° C / Less than 95% RH	
	Ingress Protection	IP66	
	Vandal Resistance	N/A	
	Surge Protection	TVS 6000V Lightning Protection / Surge Protection	
	Housing	Metal	
	Dimensions	Ø168 mm x 171.1 mm	
Net Weight	2.5kg		

### Application

	Included Accessories	Pole Mount	Parapet Mount
		24VAC/3A PSU	VSBKTA101 + VSBKTB303W + VSBKTA150
	Wall Mount	Ceiling Mount	
	VSBKTB303W + VSBKTA101	VSBKTA101 + VSBKTB300C + (+ VSBKTA112/13 optional extension)	

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