



**Starlight
Camera**



**AI People
& Vehicle
Detection
Gen. 2**



Smart Tracking Dual Camera

Pro AI Series: Combined PTZ Dome with 180° Overview and PTZ Cameras

The PTZ camera is designed with extra lenses to capture a wider view and create clear images. Paired with a 180° panoramic overview channel, this camera is able to track targets when entering the panoramic area. The PTZ camera is able to track and monitor the target by rotating, zooming and focusing the PTZ lens.

- Auto Tracking triggered by overview camera events, AI detection & subject tracking for people & vehicles
- Overview channel: 2 x 4.0MP 180° panoramic image
- Detail PTZ channel: 4.0MP with 25x optical zoom
- Infrared illumination (100m) & white security LEDs
- Active deterrence red/blue strobe LEDs, plus warning speaker with customisable audio messages
- Alarm and audio I/O interface; PoE+ power input
- Panoramic and detail cameras use separate channels
- IP66 weather-rated full metal housing for outdoor use



Overview & PTZ Detail Cams



Auto and Smart Tracking



Up to 25x Lossless Optical Zoom

Model		VSIPPTZ-4P8X							
Camera System		Overview Channel: 180° 2 x 4.0MP 2.8mm Panoramic			Detail Channel: 4.0MP PTZ Dome Camera				
Camera	Image Sensor	1/2.7" CMOS			1/2.8" CMOS				
	Effective Pixels	8MP			4MP				
	RAM / ROM	2GB / 4GB			1GB / 4GB				
	Min Illumination	0.005 lux@F1.4 (Color, 30 IRE); 0.0005 lux@F1.4 (B/W, 30 IRE); 0 lux (IR on)			0.005 lux@F1.6 (Color, 30 IRE); 0.0005 lux@F1.6 (B/W, 30 IRE); 0 lux (IR on)				
	Illuminator System	2 (Infrared light); 2 (White light)			2 (Infrared light); 2 (White light)				
Active Deterrence	Red/Blue Strobe Warning Light (5~30s duration, set flash frequency); Siren with customisable alarm tones								
Lens	Lens / Iris	2 x 2.8mm			5mm~125mm (25x Optical Zoom), Auto/Manual/Iris Priority Control				
	Field of View	H:180°; V:86°			H: 51.9°~3.0°; V: 39.7°~2.2°; D: 63.1°~3.7°				
	Focus	Auto; manual; semi-auto							
DORI	Detect	56.0m			W: 100.0m; T: 2500.0m				
	Observe	22.4m			W: 40.0m; T: 1000.0m				
	Recognise	11.2m			W: 20.0m; T: 500.0m				
	Identify	5.6m			W: 10.0m; T: 250.0m				
PTZ	Pan / Tilt Range	-			Pan: 0° to 360° endless; Tilt: -15° to +90°, auto flip 180°				
	PTZ Speed	-			Pan: 0.1° ~ 180°/s; Tilt: 0.1° ~ 180°/s				
	Modes / Presets	-			300 Presets, 8 Tours (32 presets/tour), 5 Pattern, 5 Scan				
	Start-up Action	-			Auto-restore to previous PTZ/lens status				
	Auto Tracking	-			Auto-tracking 3.0 for Person & Vehicle Tracking				
Video	Resolution	8M (4096 x 1860); 2M (2048 x 928); 1080p (1920 x 1080); 720p (1280 x 720); 1024 x 448; D1 (704 x 576/704 x 480);VGA (640 x 480)			4M (2560 x 1440); 3M (2304 x 1296); 1080p (1920 x 1080); 1.3M (1280 x 960); 720p (1280 x 720); D1 (704 x 576/704)				
	Frame Rate	Main	4096 x 1860 @(1-25fps)			4M/3M/1080p/1.3M/720p @(1-25fps)			
		Sub	1024 x 448/D1/VGA/CIF @(1-25fps)			D1/VGA/CIF @(1-25fps)			
		Third	2048 x 928/1080p/1.3M/720p @(1-25fps)			1080p/1.3M/720p/ @(1-25fps)			
	Video Compression	Smart H.265+; H.265; Smart H.264+; H.264B; H.264M; H.264H; MJPEG (Sub Stream 1)							
	Bit Rate	H264: 128 ~ 16,384 kbps, H265: 51 ~ 13,312 kbps			H264: 96 ~ 16,384 kbps, H265: 38 ~ 10,240 kbps				
	Bit Rate Control	CBR / VBR							
	Day/Night	Auto; Color; B/W; Electronic							
	Lighting Compensation	BLC / HLC / Digital WDR			BLC / HLC / True WDR (120dB)				
	White Balance	Auto; indoor; outdoor; tracking; manual; sodium lamp; natural light; street lamp							
Gain Control	Auto; manual; gain priority								
Noise Reduction	2D / 3D			Auto: 2D / 3D					
Picture Control	-			180° Rotation					
IVS	Intelligent Functions	Abandoned/Missing Object, Motion Detection, Region of Interest, Electronic Image Stabilisation (detail only), Privacy Masking (24 zones), Defog							
	Perimeter Protection	Tripwire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; human alarm Classification; linkage tracking							
	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							
Network	Ethernet	RJ-45 (100/1,000 Base-T)							
	Protocol	HTTP; HTTPS; TCP/IP; IPv4; RTSP; UDP; SMTP; NTP; DHCP; DNS; DDNS; IPv6; 802.1x; SSL; QoS; FTP; UPnP; ICMP; SNMP; IGMP; ARP; RTCP; RTP; PPPoE; RTMP; Bonjour; NFS							
	Streaming Method	Unicast / Multicast							
	Max. User Access	20 (total bandwidth: 64M)							
Interface	Audio Interface	1/1 Input/Output: Line-In/Out, bare wire); Built-in speaker (mutually exclusive); Compression: PCM, G.711A, G.711Mu, G.726, MPEG2-Layer2, G.722.1, G.729							
	Alarm Interface	2 Inputs (on-off value input: 0-5VDC); 1 Output							
	RS485	N/A							
	Edge Storage	Micro SD card (512 GB); FTP/SFTP; NAS							
	Interoperability	ONVIF (Profile S & Profile G & Profile T);CGI;SDK;P2P							
Environmental	Power Supply	12 VDC, 3A ± 10% (adapter not included); PoE+ (802.3at)							
	Power Consumption	Basic: 14 W; Max: 25 W (illuminator + heating glass + siren and light active deterrence + ICR + PTZ)							
	Operating Conditions	-40° ~ +65° C / Less than 95% RH							
	Ingress Protection	IP66							
	Vandal Resistance	-							
	Surge Protection	TVS 6000 V lightning proof; surge protection; voltage transient protection							
	Housing	Metal chassis							
	Dimensions	194.2 mm x 160 mm x 311 mm(L x W x H)							
Net Weight	3.10kg								
Application									
Included	Wall Mount	Ceiling Mount		Pole Mount		Corner Mount	Parapet Mount	Plane Mount	
VSBKTB305W (Wall mount)	VSBKTB305W + VSBKTA126	VSBKTA114 + VSBKTB300C	VSBKTA114 + VSBKTB301C	VSBKTB305W + VSBKTA150	VSBKTA114+ VSBKTB300C+ VSBKTA150	VSBKTB305W + VSBKTA151	VSBKTA114 + VSBKTB3035	VSBKTB301S-E	

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