



Starlight
Camera



Face
Capture



AI People
& Vehicle
Detection



AI Auto
Tracking



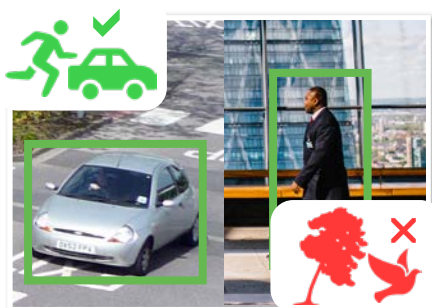
Big AI features, compact size

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



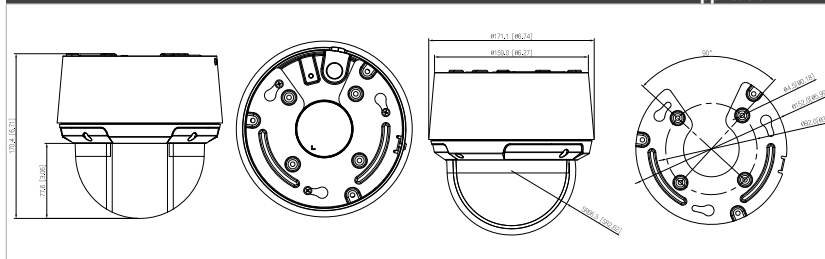
25x Lossless Optical Zoom



AI Auto-Tracking

Specifications		4.0MP 25x Zoom PTZ with AI
Ordering Information		VSIPPTZ-4IRC-I
Camera	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)
Lens	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
DORI	Detect (25px/m)	2500m
	Observe (63px/m)	987m
	Recognise (125px/m)	500m
	Identify (250px/m)	250m
PTZ	Pan / Tilt Range	Pan: 0° ~ 360° (endless) / Tilt: -5° ~ 90° / Auto Flip 180°
	PTZ Speed	Preset: Pan: 240°/s; Tilt: 160°/s Manual: 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
Video	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
IVS	Noise Reduction	2D / 3D DNR
	Picture Control	Flip 0°/180°
	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
Network	Ethernet	RJ-45 (10/100Base-T)
	Protocol	IPv4; IPv6; HTTP; HTTPS; 802.1x; Qos; FTP; SMTP; UPnP; SNMPv1/v2c/v3 (MIB-2); DNS; DDNS; NTP; RTSP; RTP; TCP; UDP; IGMP; ICMP; DHCP; PPPoE; ARP; RTCP
	Streaming Method	Unicast / Multicast
	Max. User Access	20 Users
Interface	Audio Interface	1 Input / 1 Output / Compression: G.711A; G.711Mu; G.726; AAC; G.722.1; G.723; G.729; PCM; MPEG2-Layer2
	Alarm Interface	2 Inputs / 1 Output
	RS485	N/A
	Edge Storage	FTP; Micro SD card (256G); P2P
Environmental	Interoperability	ONVIF Profile S&G&T; CGI
	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	VSBKTA101 + VSBKTB303S
	Wall Mount	Ceiling Mount	
	VSBKTB303W + VSBKTA101	VSBKTA101 + VSBKTB300C + (+ VSBKTA112/13 optional extension)	

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