



# The best in imaging & AI.

Ultimate AI PTZ Series: 40x optical zoom PTZ dome available in 8.0MP

Ultimate AI Series PTZ domes offer the best in camera performance & mobility, with machine-learning AI features to deliver a superior PTZ surveillance experience. Capture incredible images in 4K resolution, with 40x optical zoom & exceptional low-light performance. This camera can perform face recognition comparison and distinguish people & vehicles from other motion events, using smart auto-tracking to follow subjects.

- Stream up to 8.0MP / 4K (3840 x 2160) at 25fps
- 40x optical zoom lens (64° ~ 2° viewing angles)
- Low light colour performance at 0.005lx; 500m IR
- Intelligent auto tracking via person/vehicle AI rules
- In-camera face recognition
- Endless 360° panning with -30° ~ 90° tilt adjust
- MicroSD card slot for edge recording applications
- Audio, alarm and video interface input/output
- Supports power via Hi-PoE (IEEE802.1x)
- IP67 weather rated metal chassis



40x Lossless Optical Zoom



Face Recognition & Perimeter Protection



0.005lx Superb Low Light Performance

Specifications		8.0MP 40x Zoom PTZ with AI
<b>Ordering Information</b>		<b>VSIPTZ-8IRU-I2</b>
<b>Camera</b>	Image Sensor	1/1.8" 8.0MP Progressive Scan CMOS
	Effective Pixels	3840 (H) x 2160 (V)
	RAM/ROM	2GB/8GB
	Min Illumination	0.005 Lux/F1.4 (Color), 0.0005 Lux/ F1.4 (B/W), 0 Lux/F1.4 (IR on)
	Infrared System	10 x Infrared LED, 500m range, Zoom Prio/Manual/Smart IR on/off control
<b>Lens</b>	Lens / Iris	5.6 ~ 223mm F1.4 ~ F4.5 Motorised Lens with Auto Iris
	Field of View	63.9° ~ 2.0° (H), 37.3° ~ 1.1° (V), 71.2° ~ 2.3° (D) (40x Optical Zoom)
	Focus	Auto/Semi-Auto/Manual Control, 0.5 ~ 2m Min. Focus Distance
<b>DORI</b>	Detect (25px/m)	4400m
	Observe (63px/m)	1740m
	Recognise (125px/m)	880m
	Identify (250px/m)	440m
<b>PTZ</b>	Pan / Tilt Range	Pan: 0 ~ 360° (endless) / Tilt: -30 ~ 90° / Auto-flip 180°
	PTZ Speed	<b>Preset:</b> Pan: 240°/s; Tilt: 120°/s <b>Manual:</b> Pan: 240°/s; Tilt: 100°/s
	Modes / Presets	Up to 300 presets / 5 Pattern, 8 Tour, Auto Pan, 5 Auto Scan
	Start-up Action	Auto-restore to previous PTZ/lens status
<b>Video</b>	Resolution	8.0MP (3840 x 2160) to CIF (352 x 288)
	Frame Rate	Main: 8.0MP (1 ~ 25fps) Sub: D1 (1 ~ 25fps) Third: 1080p (1 ~ 25fps)
	Video Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG (Sub Stream 1)
	Bit Rate	H.265: 256 ~ 10240Kbps - H.264: 512 ~ 16384Kbps
	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 / Manual / Sodium Lamp / Natural / Street Lamp
	Gain Control	Auto / Manual
	Noise Reduction	Ultra 2D/3D NR
Picture Control	Flip 180°	
<b>Intelligence</b>	AI Functions	Face recognition (database supports up to 10,000 faces), Perimeter protection (tripwire & intrusion with person/vehicle detection), Metadata (body & face attributes, vehicle attributes), Auto tracking via person/vehicle detection
	IVS Functions	Abandoned object detection, Missing object detection
	Video Functions	Motion Detection, Region of Interest, Privacy Masking (24 zones), Defog
	Event Trigger	Motion detection, video tampering, scene changing, network disconnection, IP address conflict, illegal access, and storage anomaly
<b>Network</b>	Ethernet	RJ-45 (10/100 Base-T)
	Protocol	IPv4; IPv6; HTTP; HTTPS; 802.1x; QoS; FTP; SMTP; UPnP; SNMP v1/v2c/v3 (MIB-2); DNS; DDNS; NTP; RTSP; RTP; TCP; UDP; IGMP; ICMP; DHCP; PPPoE; ARP; RTCP; RTMP
	Streaming Method	Unicast / Multicast
	Max. User Access	20 Users
<b>Interface</b>	Audio Interface	1 Input, 1 Output / Compression: G.711a/G.711mu/PCM/G.726/AAC/G722.1/G.729/ MPEG2-Layer2/ G723
	Alarm Interface	7 Inputs / 2 Outputs
	RS485	Yes
	Edge Storage	MicroSD Card (up to 512GB) / FTP
	Interoperability	ONVIF Profile S&G&T / CGI
<b>Environmental</b>	Power Supply	36VDC / 2.23A (±25%) / Hi-PoE
	Power Consumption	30W / 48W (illuminator + PTZ working)
	Operating Conditions	-40° ~ +70° C / Less than 95% RH
	Ingress Protection	IP67
	Housing	Metal
Dimensions & Weight	Ø262(mm) x 415.6 (mm) / 10kg	

Application		Included Accessories	
		AC power supply VSBKTB306W	
		Wall Mount VSBKTB306W	Pole Mount VSBKTB306W + VSBKTA150

Your local VIP Vision™ IP solutions professional: