



Identify people & vehicles.

Professional AI Series: Fixed AI turret dome cameras in 4.0MP, 6.0MP and 8.0MP

The Professional AI Series utilises the latest in AI machine learning technology to identify people & vehicles with superior accuracy and reliability. Experience improved AI performance with Smart Motion Detection (SMD 4.0) that minimises false triggers and detects humans & vehicles with a 99% accuracy rate. AI Smart Scene Adaptive (AI SSA) detects and adjusts for fog, glare, low light and rain to ensure capture of clear video evidence.

- Stream up to 8.0MP (3840 x 2160) at 25fps
- H.265 encoding for efficient storage & streaming
- Up to 50m infrared range; true day/night (auto ICR)
- Back/highlight compensation & true WDR (120dB)
- MicroSD slot for recording at the edge up to 256GB
- AI weather and anti-flicker scene self-adaption
- Smart Motion Detection (SMD 4.0) for person detection (up to 12m) and vehicle detection (up to 18m)
- 3D digital noise reduction & auto white balance
- IP67 weather rated housing for outdoor use



Record up to 4K in Real Time (25fps)



Smart Person & Vehicle Detection



AI Scene Adaptation

Specifications	4.0MP Fixed AI Turret Dome	6.0MP Fixed AI Turret Dome	8.0MP Fixed AI Turret Dome
Ordering Information	VSIPP-4DIRG-I2	VSIPP-6DIRG-I2 VSIPP-6DIRG-I2-B	VSIPP-8DIRG-I2 VSIPP-8DIRG-I2-B
Image Sensor	1/3" 4.0MP Progressive Scan CMOS	1/2.7" 6.0MP Progressive Scan CMOS	1/2.8" 8.0MP Progressive Scan CMOS
Effective Pixels	2688 (H) x 1520 (V)	3072 (H) x 2048 (V)	3840 (H) x 2160 (V)
RAM / ROM	512MB / 128MB	1 GB / 128MB	1 GB / 128MB
Min Illumination	0.005 Lux/F1.4 (Colour)	0.005 Lux/F1.4 (Colour)	0.007 Lux/F1.4 (Color)
S/N Ratio	>56dB		
Infrared System	2 x Infrared LED, 50m range, Auto/manual on/off control	2 x Infrared LED, 30m range, Auto/manual on/off control	2 x Infrared LED, 30m range, Auto/manual on/off control
Lens / Iris	2.8mm F1.4 Fixed Lens		
Field of View	Horizontal: 102°, Vertical: 54°, Diagonal: 121°	Horizontal: 97°, Vertical: 71°, Diagonal: 129°	Horizontal: 107°, Vertical: 56°, Diagonal: 127°
Focus	Auto Focus / 0.9m Min. Focus Distance	Auto Focus / 1.1m Min. Focus Distance	Fixed / 1.5m Min. Focus Distance
DORI			
Detect (25px/m)	64 m	64 m	88 m
Observe (63px/m)	25 m	25 m	35 m
Recognise (125px/m)	13 m	13 m	18 m
Identify (250px/m)	6 m	6 m	9 m
Resolution	4.0MP (2688 x 1520) to CIF (352 x 288)	6.0MP (3072 x 1728) to CIF (352 x 288)	8.0MP (3840 x 2160) to CIF (352 x 288)
Frame Rate	Main	4.0MP (1 ~ 25fps)	8.0MP (1 ~ 25fps)
	Sub	D1 (1 ~ 25fps)	
	Third	1080p (1 ~ 25fps)	
Video Compression	H.265 / H.264H / H.264 / H.264B / MJPEG		
Bit Rate	H.265: 3 ~ 8192Kbps / H.264: 3 ~ 8192Kbps		
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	SSA		
White Balance	Auto / Natural / Street Lamp / Outdoor / Manual / Regional Custom		
Gain Control	Auto		
Noise Reduction	3D DNR		
Picture Control	Mirror / Flip (0°, 90°, 180°, 270°) (Support 90°/270° with 4.0MP resolution and lower)		
Video Functions	Motion Detection (4 zones), Region of Interest (4 zones), Privacy Masking (4 zones), Smart Infrared		
AI Functions	Smart Motion Detection (SMD 4.0): People and vehicle detection using motion detection		
Intelligent search	Perimeter Protection: People and vehicle detection using tripwire or intrusion rules Search people or vehicle detection events (SMD 4.0, Perimeter Protection)		
Network	RJ-45 (10/100 Base-T)		
Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP		
Streaming Method	Multicast		
Max. User Access	20 Users		
Audio Interface	Built-in Mic / Audio Compression - G.711a; G.711Mu; G726; PCM; G.723		
Alarm Interface	N/A		
RS485	N/A		
Edge Storage	MicroSD Card (up to 256GB) / NAS / FTP / SFTP		
Interoperability	ONVIF / P2P / CGI / Milestone / Genetec		
Power Supply	12VDC / PoE (802.3af)		
Power Consumption	<7.9W	<8.9W	<8.9W
Operating Conditions	-40°C ~ +60°C / ≤95% RH		
Ingress Protection	IP67		
Housing	Metal		
Pan/Tilt/Rotation	Pan: 0° ~ 360°; Tilt: 0° ~ 78°; Rotation: 0° ~ 360°		
Dimensions	Ø106mm x 93.6mm		
Net Weight	0.50kg		

Application			
	Junction Box	Wall Mount	
	VSBKTA139	VSBKTB204W	VSBKTA106 + VSBKTB305W
	Pole Mount		Ceiling Mount
	VSBKTA139 + VSBKTA152E	VSBKTB204W + VSBKTA152E	VSBKTA106 + VSBKTB220C

Your local VIP Vision™ IP solutions professional: