Edge AI Support

24/7 Colour

AcuPick Search

Intruder Deterrence

8.0 MEGAPIXEL

12.0 MEGAPIXEL



Stellar AI video performance.

Professional AI Series: 180° Edge AI Active Deterrence Bullets in 8.0MP and 12.0MP

The Professional AI Series delivers panoramic video with the latest in AI video surveillance technology for superior accuracy and reliability. Edge AI Support cameras feature their own Neural Processing Unit (NPU) to enhance AI video detection, image capture and video search. This results in faster subject detection, improved image quality and more reliable footage subject matching. Capture beyond Ultra HD resolution with up to 12.0MP capture and deter intruders with security spot lighting with red and blue LED strobe/siren.

- Stream up to 12.0MP (5000 x 2500) at 20fps
- Edge AI Support for enhanced video detection
- AcuPick subject matching for faster footage search
- 24/7 Colour low light footage as low as 0.005lx
- Up to 30m infrared, BLC/HLC & true WDR (120dB)
- AI face detection, AI human/vehicle detection (SMD4.0)
- Activates spotlight, flashing light & siren, switching from IR to colour footage in response to alarm events
- Power failover with PoE and 12VDC power inputs
- IP67 rated metal chassis and microSD card support



Edge AI Neural Processing Unit



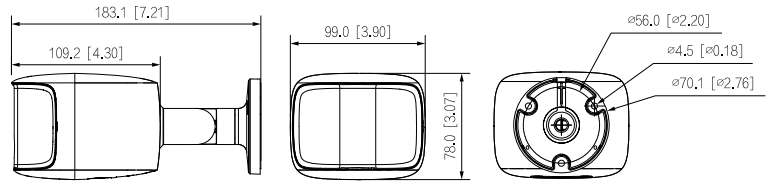
Intruder Active Deterrence



180° Panoramic Image up to 12MP

	Specifications		180° Edge AI Active Deterrence Bullet	
	Ordering Information		VSIPP-8BD-ID4 (White) VSIPP-8BD-ID4-B (Black)	VSIPP-12BD-ID4 (White) VSIPP-12BD-ID4-B (Black)
Camera	Image Sensor		1/2.7" Progressive Scan CMOS (Dual 4.0MP imaging)	1/2.5" Progressive Scan CMOS (Dual 6.0MP imaging)
	Effective Pixels		4320 (H) × 1944 (V)	5000 (H) × 2500 (V)
	RAM / ROM		1GB / 256MB	2GB / 256MB
	Min Illumination		0.003 lux/F1.4 (Colour), 0.0003 lux/F1.4 (B/W, 30 IRE), 0 lux (Illuminator on)	0.0008 lux/F1.0 (Colour), 0.0003 lux/F1.0 (B/W), 0 lux (Illuminator on)
	Electronic Shutter		1/3 ~ 1/100,000s	
	S/N Ratio		>56dB	
	Infrared System		Multi-LED Infrared Illumination, 30m range, Auto/Manual control	
	LED Illumination		Multi-LED Warm White Illumination, 30m range, Red & Blue Alarm Lights	
Lens	Lens / Iris		2.8mm F1.4 Fixed Lens	2.8mm F1.0 Fixed Lens
	Field of View		Horizontal: 180°, Vertical: 72°	Horizontal: 180°, Vertical: 78°
	Focus		Fixed Focus / 0.8m Min. Focus Distance	Fixed Focus / 1.4m Min. Focus Distance
DORI	Detect (25px/m)		50.6m	59.6m
	Observe (63px/m)		20.2m	23.8m
	Recognise (125px/m)		10.1m	11.9m
	Identify (250px/m)		5.1m	6.0m
Video	Resolution		8.0MP (4320 × 1944)	12.0MP (5000 × 2500)
	Frame Rate	Main	4320 × 1944 (1 ~ 20fps)	5000 × 2500 (1–20fps)
		Sub	1200 × 536 (1 ~ 20fps)	
		Third	1920 × 860 (1 ~ 20fps)	
	Video Compression		H.265 / H.264 / H.264H / H.264B / MJPEG (Sub stream only); Smart H.265+ / H.264+; AI H.265 / H.264	
	Bit Rate		H.265: 6 ~ 16384Kbps / H.264: 6 ~ 16384Kbps	H.265/H.264: 6–32768Kbps
	Bit Rate Control		CBR / VBR / ABR	
	Day/Night		Auto (ICR) / Colour / B&W	
	Lighting Compensation		BLC / HLC / WDR (120dB)	
	Smart Scene Adaptive		Yes	
	White Balance		Auto / Natural / Street Lamp / Outdoor / Manual / Regional Custom	
	Gain Control		Auto / Manual	
	Noise Reduction		3D DNR	
IVS	Video Functions		Motion Detection (4 zones), Region of Interest (4 zones), Privacy Masking (8 zones), Defog, Smart Dual Light, EPTZ	
	AI Functions		Face Detection (Full Image), SMD 4.0, Perimeter Protection (Human/Vehicle Tripwire & Intrusion), Stay Detection, Loitering Detection	
	Intelligent search		AcuPick subject matching across multiple channels, Smart Search	
Network	Ethernet		RJ-45 (10/100/1000 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; P2P; Bonjour; Auto Registration	
	Streaming Method		Multicast	
	Max. User Access		20 Users (Total bandwidth: 64M)	
Interface	Video Interface		N/A	
	Audio Interface		Built-in Dual Microphones & Dual Speakers, 1 Audio In/Output (RCA), Two-way Audio / PCM; G.711a; G.711Mu; G.726; G.723	
	Alarm Interface		1 Input (Wet/Dry Contact), 1 Output (Max. 1000mA 30VDC / 500mA 50VAC)	
	RS485		N/A	
	Edge Storage		MicroSD Card (up to 512GB) / NAS / FTP / SFTP	
	Interoperability		ONVIF (Profile S, G, T, M) / CGI	
Environmental	Power Supply		12VDC (±30%) / PoE+ (802.3at)	
	Power Consumption		Basic: 4.9W (12VDC), 6.8W (PoE); Max: 13.3W (12VDC), 16.1W (PoE)	Basic: 3.3W (12VDC), 4.5W (PoE); Max: 10.7W (12VDC), 12.8W (PoE)
	Operating Conditions		-40°C ~ +60°C / ≤95% RH	
	Ingress Protection		IP67	
	Vandal Resistance		N/A	
	Housing		Metal	
	Pan/Tilt/Rotation		Pan: 0° ~ 360°, Tilt: -20° ~ 90°, Rotation: 0° ~ 360°	
	Dimensions & Weight		183.1 × 99.0 × 78.0mm (L × W × H), 0.69kg	

Accessories



Junction Box	Pole Mount
VSBKTA130E	VSBKTA130E + VSBKTA152E
Wall Mount	**Corner Mount**
VSBKTA130E	VSBKTA130E + VSBKTA151

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