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 Turrets 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**



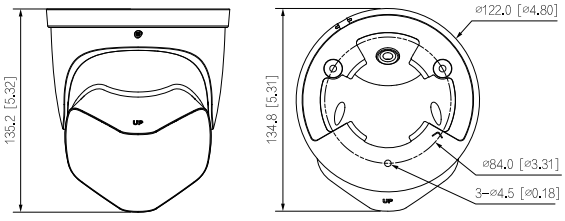
**Intruder Active Deterrence**




**180° Panoramic Image up to 12MP**

| | Specifications | | 180° Edge AI Active Deterrence Turret | |
|---|---|---|---|---|
| | Ordering Information | | **VSIPP-8DD-ID4 (White)**<br>**VSIPP-8DD-ID4-B (Black)** | **VSIPP-12DD-ID4 (White)**<br>**VSIPP-12DD-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) to D1 (704 × 480/576) | 12.0MP (5000 × 2500) to D1 (704 × 480/576) |
| | 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: 4.1W (12VDC), 5.6W (PoE); Max: 12.2W (12VDC), 14.8W (PoE) | Basic: 4.9W (12VDC), 6.8W (PoE); Max: 13.3W (12VDC), 16.1W (PoE) |
| | Operating Conditions | | -40°C ~ +60°C / ≤95% RH | |
| | Ingress Protection | | IP67 | |
| | Vandal Resistance | | N/A | |
| | Housing | | Metal | |
| | Pan/Tilt/Rotation | | Pan: 0° ~ 355°, Tilt: 0° ~ 77°, Rotation: 0° ~ 355° | |
| | Dimensions & Weight | | Ø122mm × 135.2mm, 0.99kg | |

Accessories




| Junction Box | Ceiling Mount |
|---|---|
| VSBKTA137<br>VSBKTA130E | VSBKTB2211C<br>VSBKTB2212C |
| **Wall Mount** | **Pole Mount** |
| VSBKTB2203W (White)<br>VSBKTB2203W-B (Black)<br>VSBKTA109 + VSBKTB305W | VSBKTB2203W + VSBKTA152E |

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