



# 180° Intruder deterrence.

## Professional AI Series: 180° Fixed lens AI active deterrence turrets in 8.0MP

The Professional AI Series utilises the latest in AI machine learning technology to identify people & vehicles with superior accuracy and reliability. The active deterrence range incorporates AI detection and a variety of in-camera features to deter intruders. Upon a human or vehicle detection event, these cameras can trigger a white LED spotlight for security lighting, a flashing blue/red LED strobe and a loud siren with programmable message/tone, to deter intruders. They are ideal for active security across a variety of residential and commercial applications.

- Stream up to 8.0MP (4096 x 1860) at 20fps
- Activates spotlight, flashing light & siren, switching from IR to colour footage in response to alarm events
- 24/7 Colour low light footage as low as 0.005lx
- Up to 25m infrared, BLC/HLC & true WDR (120dB)
- Intelligent AI detection to identify people & vehicles
- Next-Gen Smart Motion Detection (SMD 4.0) & Perimeter Protection to prevent false alarms, using VIP Vision NVRs
- Dual cameras in one housing for a 180° field of view
- IP67 weather rated housing for outdoor use



180° Coverage Surveillance



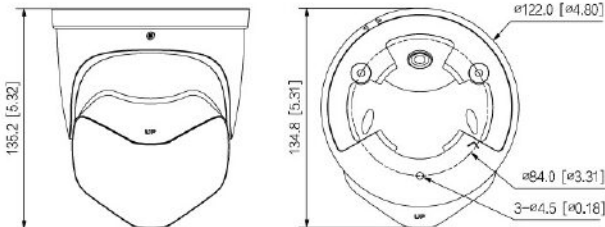
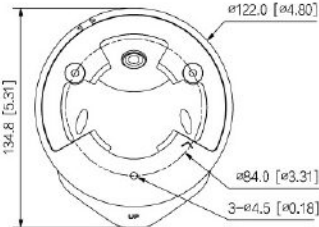
Spotlight, Siren & Blue/Red Strobe



AI Human & Vehicle Detection

Achieve more than security.™

Visit [www.vipvision.au](http://www.vipvision.au) for the latest in IP surveillance.

| Specifications                                                                      |                                                                                     | 8.0MP Fixed 180° AI Deterrence Turret                                                                                                                                |                        |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Camera                                                                              | Ordering Information                                                                | VSIPP-8DD-ID3                                                                                                                                                        |                        |
|                                                                                     | Image Sensor                                                                        | Dual 1/2.7" 4.0MP Progressive Scan CMOS                                                                                                                              |                        |
|                                                                                     | Effective Pixels                                                                    | 4096 (H) x 1860 (V)                                                                                                                                                  |                        |
|                                                                                     | RAM / ROM                                                                           | 1GB / 128MB                                                                                                                                                          |                        |
|                                                                                     | Min Illumination                                                                    | 0.005 Lux/F1.4 (Color), 0.0005 lux/F1.4 (B/W, 30 IRE), 0 lux (IR)                                                                                                    |                        |
|                                                                                     | Electronic Shutter                                                                  | 1/3 ~ 1/100,000s                                                                                                                                                     |                        |
|                                                                                     | S/N Ratio                                                                           | > 56dB                                                                                                                                                               |                        |
|                                                                                     | Infrared System                                                                     | 2 x Infrared LED, 25m range, Auto/manual on/off control                                                                                                              |                        |
|                                                                                     | LED Illumination                                                                    | 2 x Spotlight (Warm White), 20m range, 1 x Red & Blue Alarm Light                                                                                                    |                        |
|                                                                                     | Lens / Iris                                                                         | 2.8mm F1.4 Fixed Lens                                                                                                                                                |                        |
| Lens                                                                                | Field of View                                                                       | Horizontal: 180°, Vertical: 86°                                                                                                                                      |                        |
|                                                                                     | Focus                                                                               | Auto Focus / 0.8m Min. Focus Distance                                                                                                                                |                        |
|                                                                                     |                                                                                     |                                                                                                                                                                      |                        |
| DORI                                                                                | Detect (25px/m)                                                                     | 50m                                                                                                                                                                  |                        |
|                                                                                     | Observe (63px/m)                                                                    | 20m                                                                                                                                                                  |                        |
|                                                                                     | Recognise (125px/m)                                                                 | 10m                                                                                                                                                                  |                        |
|                                                                                     | Identify (250px/m)                                                                  | 5m                                                                                                                                                                   |                        |
| Video                                                                               | Resolution                                                                          | 8.0MP (4096 x 1860) to 960 x 432                                                                                                                                     |                        |
|                                                                                     | Frame Rate                                                                          | Main                                                                                                                                                                 | 8.0MP (1 ~ 20fps)      |
|                                                                                     |                                                                                     | Sub                                                                                                                                                                  | 1200 x 530 (1 ~ 20fps) |
|                                                                                     |                                                                                     | Third                                                                                                                                                                | 1920 x 860 (1 ~ 20fps) |
|                                                                                     | Video Compression                                                                   | H.265+ / H.265 / H.264+ / H.264 / H.264B / MJPEG                                                                                                                     |                        |
|                                                                                     | Bit Rate                                                                            | H.265: 6 ~ 16384Kbps / H.264: 6 ~ 16384Kbps                                                                                                                          |                        |
|                                                                                     | Bit Rate Control                                                                    | Constant bit rate (CBR) / Variable bit rate (VBR)                                                                                                                    |                        |
|                                                                                     | 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                                                                                                                                                                 |                        |
| IVS                                                                                 | Noise Reduction                                                                     | 3D DNR                                                                                                                                                               |                        |
|                                                                                     | Video Functions                                                                     | Motion Detection (4 zones), Region of Interest (4 zones), Privacy Masking (4 zones), Defog                                                                           |                        |
|                                                                                     | AI Functions                                                                        | Event Triggers: Motion Detection, Perimeter Protection, Video Tampering, Scene Changing, Network Disconnection, IP Address Conflict, Illegal Access, Storage Anomaly |                        |
|                                                                                     | Intelligent search                                                                  | Perimeter Protection: People and vehicle detection using tripwire or intrusion rules                                                                                 |                        |
| Network                                                                             | Ethernet                                                                            | Search people or vehicle detection events (Perimeter Protection)                                                                                                     |                        |
|                                                                                     | Protocol                                                                            | RJ-45 (10/100Base-T)                                                                                                                                                 |                        |
|                                                                                     | Streaming Method                                                                    | 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        |                        |
|                                                                                     | Max. User Access                                                                    | Multicast                                                                                                                                                            |                        |
| Interface                                                                           | Video Interface                                                                     | 20 Users (Total bandwidth: 64MB)                                                                                                                                     |                        |
|                                                                                     | Audio Interface                                                                     | N/A                                                                                                                                                                  |                        |
|                                                                                     | Alarm Interface                                                                     | Built-in Mic & Built-in Speaker, 1 Audio In/Output (RCA) / Audio Compression - PCM; G.711a; G.711Mu; G.726; G.723                                                    |                        |
|                                                                                     | RS485                                                                               | 1 channel in: 5mA 3-5VDC / 1 channel out: 300mA 12VDC                                                                                                                |                        |
|                                                                                     | Edge Storage                                                                        | N/A                                                                                                                                                                  |                        |
|                                                                                     | Interoperability                                                                    | MicroSD Card (up to 256GB) / NAS / FTP / SFTP                                                                                                                        |                        |
| Environmental                                                                       | Power Supply                                                                        | ONVIF (Profile S, Profile G, Profile T) / CGI                                                                                                                        |                        |
|                                                                                     | Power Consumption                                                                   | 12VDC / PoE (802.3af)                                                                                                                                                |                        |
|                                                                                     | Operating Conditions                                                                | Deterrence: <8.7W (12VDC), <10.85W (PoE)                                                                                                                             |                        |
|                                                                                     | Ingress Protection                                                                  | -40°C ~ +60°C / ≤95% RH                                                                                                                                              |                        |
|                                                                                     | Vandal Resistance                                                                   | IP67                                                                                                                                                                 |                        |
|                                                                                     | Housing                                                                             | N/A                                                                                                                                                                  |                        |
|                                                                                     | Pan/Tilt/Rotation                                                                   | Metal                                                                                                                                                                |                        |
|                                                                                     | Dimensions                                                                          | Pan: 0° ~ 360°, Tilt: 0° ~ 78°, Rotation: 0° ~ 360°                                                                                                                  |                        |
| Accessories                                                                         | Net Weight                                                                          | Ø 122mm x 135mm                                                                                                                                                      |                        |
|                                                                                     |                                                                                     | 0.99kg                                                                                                                                                               |                        |
|                                                                                     |  | Junction Box                                                                                                                                                         | Ceiling Mount          |
|                                                                                     |                                                                                     | VSBKTA137                                                                                                                                                            | VSBKTA109 + VSBKTB220C |
|  | Wall Mount                                                                          | Pole Mount                                                                                                                                                           |                        |
|                                                                                     | VSBKTB205W-E                                                                        | VSBKTB205W-E + VSBKTA152E                                                                                                                                            |                        |

Your local VIP Vision™ IP solutions professional: