



AI Scene Adaptive



AI People & Vehicle Detection



Identify people & vehicles.

Professional AI Series: Fixed AI perimeter protection wedge domes in 4.0MP

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 4.0MP (2688 x 1520) at 25fps
- H.265 encoding for efficient storage & streaming
- Up to 30m 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 & IK10 vandal rated housing



Record 4.0MP in Real Time (25fps)



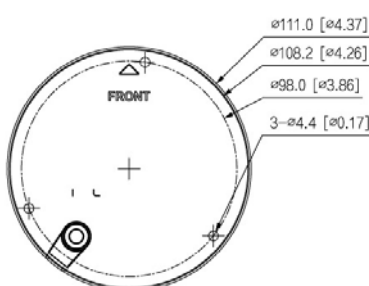
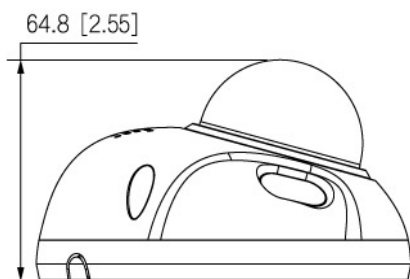
Smart Person & Vehicle Detection



AI Scene Adaptation

| Specifications | | 4.0MP Fixed AI Wedge Dome | |
|----------------------|---|---|-------------------|
| Ordering Information | | VSIPP-4DIRF-I2 | |
| Camera | Image Sensor | 1/3" 4.0MP Progressive Scan CMOS | |
| | Effective Pixels | 2688 (H) x 1520 (V) | |
| | RAM / ROM | 512MB / 128MB | |
| | Min Illumination | 0.005 Lux/F1.4 (Color) | |
| | S/N Ratio | >56 dB | |
| | Infrared System | 2 x Infrared LEDs, 30m range, Auto/manual on/off control | |
| Lens | Lens / Iris | 2.8mm F1.4 Fixed Focal Lens with Fixed Iris | |
| | Field of View | Horizontal: 102°, Vertical: 54°, Diagonal: 121° | |
| | Focus | Auto Focus / 0.9m Min. Focus Distance | |
| DORI | Detect | 64m | |
| | Observe | 25m | |
| | Recognise | 13m | |
| | Identify | 6 m | |
| Video | Resolution | 4.0MP (2688 x 1520) to CIF (352 x 288) | |
| | Frame Rate | Main | 4.0MP (1 ~ 25fps) |
| | | Sub | D1 (1 ~ 25fps) |
| | | Third | 1080p (1 ~ 25fps) |
| | Video Compression | H.265 / H.264 / H.264H / 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) / AI SSA | |
| | White Balance | Auto / Natural / Street Lamp / Outdoor / Manual / Regional Custom | |
| | Gain Control | Auto | |
| Noise Reduction | 3D DNR | | |
| Picture Control | 0°/90°/180°/270° (support 90°/270° with 4.0MP resolution and lower) | | |
| IVS | 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 Perimeter Protection: People and vehicle detection using tripwire or intrusion rules | |
| | Intelligent Search | Search people or vehicle detection events (SMD 4.0, Perimeter Protection) | |
| Network | Ethernet | RJ-45 (10/100Base-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 | |
| Interface | Video Interface | N/A | |
| | Audio Interface | 1 input (RCA Port) / 1 output (RAC Port) / Built-in Mic / Audio Compression - G.711a; G.711Mu; G.726; PCM | |
| | Alarm Interface | 1 channel in: 5mA 3-5VDC / 1 channel out: 300mA 12VDC | |
| | Edge Storage | MicroSD Card (up to 256GB) / NAS / FTP / SFTP | |
| | Interoperability | ONVIF (Profile S/Profile G) / CGI / P2P / Milestone / Genetec | |
| Environmental | Power Supply | 12VDC / PoE (802.3af) | |
| | Power Consumption | <7.2W | |
| | Operating Conditions | -40°C ~ +60°C / ≤95% RH | |
| | Ingress Protection | IP67 | |
| | Vandal Resistance | IK10 | |
| | Housing | Metal | |
| | Pan/Tilt/Rotation | Pan: -0° ~ 355°, Tilt: 20° ~ 70°, Rotation: 0° ~ 355° | |
| Dimensions | Ø111.0mm x 64.8mm | | |
| Net Weight | 0.423kg | | |

Application



| Junction Box | | Wall Mount | |
|---------------------------|------------------------|--------------------------|--|
| VSBKTA136 | | VSBKTB205W-E | |
| Pole Mount | | Ceiling Mount | |
| VSBKTB205W-E + VSBKTA152E | VSBKTA136 + VSBKTA152E | VSBKTA109 + VSBKTB220C + | |

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