



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 | | | |
|---------------------|------------------------|-------------------------|------------------------|
| Application Diagram | Junction Box | Wall Mount | |
| | | VSBKTA139 | VSBKTB204W |
| Pole Mount | | Ceiling Mount | |
| | VSBKTA139 + VSBKTA152E | VSBKTB204W + VSBKTA152E | VSBKTA106 + VSBKTB220C |

Your local VIP Vision™ IP solutions professional: