



# Auto-tracking solar security

## Specialist AI Series: Solar 4G Multi-Vision PTZ Camera with Hybrid Zoom

Deliver AI surveillance to remote sites without power or hardwired network access using the standalone Multi-Vision PTZ camera from VIP Vision. It features a built-in 4G modem, monocrystalline solar panel and lithium battery. The camera combines a fixed turret for site overview with a Hybrid Zoom PTZ dome that automatically tracks people and vehicles. When detection events occur, it activates an LED spotlight and siren to deter intruders.

- 3.0MP@15fps 2.8mm wide angle overview camera
- 3.0MP@15fps PTZ dome with Hybrid Zoom - twin cameras switch focal lengths to zoom on subjects during AI auto-tracking of people & vehicles
- Activates LED & siren in response to AI detection
- 24/7 surveillance powered by 8W integrated solar panel and built-in 65Wh lithium battery
- Always-On Video provides continuous video recording at 1fps with low power consumption; AI wakes camera on event detection & boosts image capture to 15fps



**Smart Person & Vehicle Detection**



**Spotlight & siren deters intruders**



**Quick Deploy 4G Camera**

| Specifications |                      | 3.0MP Solar 4G Fixed Turret & Pan-tilt unit  |   |
|----------------|----------------------|--|---|
| Camera         | Ordering Information | VSIPSLR-3P3F   |   |
|                | Camera System        | 3.0MP Fixed Lens Overview Camera   | 3.0MP Hybrid Zoom PTZ Dome Camera   |
|                | Image Sensor         | 1/2.8" 3.0MP Progressive Scan CMOS   | Dual 1/2.8" 3.0MP Progressive Scan CMOS   |
|                | Effective Pixels     | 2304 (H) x 1296 (V)  | 2304 (H) x 1296 (V)   |
|                | RAM / ROM            | 256 MB / 256 MB  |   |
|                | Min Illumination     | 0.0005 lux@F1.0 (Color, 30 IRE); 0 lux (Illuminator on)  |   |
|                | S/N Ratio            | >55 dB   |   |
|                | LED Illumination     | 4 x Spotlight (Warm White) 30m range   | 4 x Spotlight (Warm White) 50m range  |
|                | Lens / Iris          | 2.8mm F1.0 Fixed Lens  | 3.6mm & 8.4mm F1.0 Fixed Lenses   |
|                | Field of View        | Horizontal: 94°, Vertical: 52°, Diagonal: 110°   | <b>3.6mm Lens:</b> Horizontal: 82°, Vertical: 44°, Diagonal: 96°<br><b>8.4mm Lens:</b> Horizontal: 15.1°, Vertical: 8.4°, Diagonal: 17.8° |
| DORI           | Focus                | Auto Focus / 1.1m Min. Focus Distance  | Auto/Semi-Auto/Manual Control, 3.6 mm: 1.7m, 8.4 mm: 6m Min. Focus Dist   |
|                | Detect               | 40m  | W: 51m; T: 1200m  |
|                | Observe              | 16m  | W: 20m; T: 47m  |
|                | Recognise            | 8m   | W: 10m; T: 24m  |
| PTZ            | Identify             | 4m   | W: 5m; T: 12m   |
|                | Pan / Tilt Range     | N/A  | Pan: 0 ~ 350° (endless) / Tilt: -0 ~ 90°  |
|                | PTZ Speed            | N/A  | Preset: Pan: 40°/s, Tilt: 40°/s, Manual: Pan: 40°/s, Tilt: 40°/s  |
|                | Modes / Presets      | N/A  | Up to 50 presets / 8 Tour (32 presets per tour)   |
| Video          | Auto Tracking        | N/A  | Supported   |
|                | Resolution           | 3.0MP (2304 x 1296) to 640 x 360   | 3.0MP (2304 x 1296) to 640 x 360  |
|                | Frame Rate           | 3.0MP/1080p/720p/640 x 360 (15 fps)  | 3.0MP/1080p/720p/640 x 360 (15 fps)   |
|                | Video Compression    | Smart H.265+   |   |
| IVS            | Bit Rate             | H265: 54 kbps–1280 kbps  |   |
|                | Bit Rate Control     | Variable Bit Rate (VBR)  |   |
|                | Image Adjustments    | Color and B&W Day/Night, Digital WDR, Auto Gain Control, Auto White Balance, 3D Noise Reduction, 180° Image Rotation   |   |
|                | Video Functions      | Motion Detection   |   |
| Network        | AI Functions         | AI People & Vehicle Detection via Smart Motion Detection (SMD 3.0)   |   |
|                | Intelligent Search   | Search via People or Vehicle Detection Events  |   |
|                | 4G Carrier Frequency | B1/3/5/7/8/20/28 (FDD), B38/40/41 (TDD)  |   |
|                | Transmission Power   | 4G: Power Class 3: 23 dBm ± 2.7 dB   |   |
| Interface      | Management Software  | DMSS (Android & IOS)   |   |
|                | Audio Interface      | Built-in Mic & Loudspeaker   |   |
|                | Alarm Linkage        | Built-in White LED Spotlight & Deterrence Siren  |   |
|                | Edge Storage         | MicroSD card slot (up to 512GB), includes 128GB microSD card   |   |
| Environmental  | Power Supply         | 65Wh lithium battery / 8W solar panel / Supports USB Type-C power supply   |   |
|                | Power Consumption    | <b>Super Power Saving Mode:</b> 40 mW (4G keep-alive)<br><b>Always-on-Video Mode:</b> 170 mW (1 frame every 2 seconds, SD card recording, 4G keep-alive)<br><b>Performance Mode 1:</b> 2.4 W (4G streaming, SD card recording, PTZ static, illuminator off)<br><b>Performance Mode 2:</b> 3.7 W (4G streaming, SD card recording, PTZ static, illuminator on)<br><b>Max. Power Consumption:</b> 8.0W (4G streaming, SD card recording, PTZ moving, illuminator on, speaker on) |   |
|                | Operating Conditions | <b>Camera &amp; Solar Panel:</b> -10 °C ~ +50 °C / ≤95% RH, battery: -20 °C ~ +60 °C / ≤95% RH   |   |
|                | Protection           | IP66, TVS 2000V Lightning Proof, Surge Protection, Voltage Transient Protection  |   |
| Application    | Dimensions           | 223.2 mm x 130.0 mm x 215.0 mm   |   |
|                | Weight               | 1.8 kg   |   |
| Diagrams       |                      |  |   |