

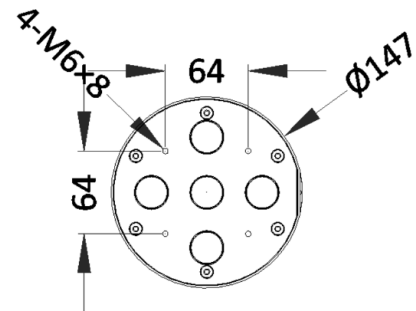
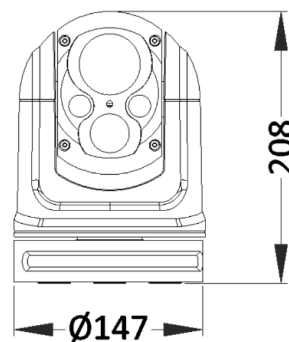
# ZANPOD P05

ZV-EOS8030-R025-P



## Feature

- 640 × 512, 12μm Uncooled VOx Microbolometer;
- NETD sensitivity ≤ 35 mK @ F1.0, 300K;
- 25mm Athermalized Lens;
- FOV: 17.4°×14° (Wide ~ Tele);
- 1/2.8" 8MP CMOS;
- 5.1 ~ 153mm, 30× Optical Zoom;
- Colour: 0.0005 Lux @ (F1.67, AGC ON)
- FOV: 55.27°×32.26° ~ 2.08°×1.17°
- Max. Resolution:  
VIS: 3840×2160 @ 25/30 fps  
LWIR: 1920×1080 @ 25/30 fps;
- Pan: 360° Continuous Rotation, 0.05° ~ 80°/Sec;
- Tilt: +25° ~ 90°, 0.5° ~ 60°/Sec;
- IP66;
- Compatible with VISCA, PELCO-D/P and ONVIF.



## Specifications

### Thermal Camera

|                  |                             |
|------------------|-----------------------------|
| Detector type    | Uncooled VOx Microbolometer |
| Effective Pixels | 640 × 512                   |
| Pixel Pitch      | 12μm                        |
| Spectral Band    | 8 ~ 14μm                    |
| NETD             | ≤35 mK @F1.0, 300K          |
| Focal Length     | 25mm Fixed Zoom Lens        |
| Aperture Range   | F1.0                        |
| FOV              | 17.4°X14.0°                 |

### Day Camera

|                     |                                                              |
|---------------------|--------------------------------------------------------------|
| Sensor              | 8 Megapixels, 1/2.8" CMOS                                    |
| Lens                | 5.1 ~ 153mm, 30× Optical Zoom, F1.67 ~ F3.67                 |
| Horizontal FOV      | 55.27°~2.66°                                                 |
| Min. Illumination   | Colour: 0.0001 Lux @ (F1.5, AGC ON)                          |
| Defog               | Electronical Defog                                           |
| Image Stabilization | Electronical Image Stabilisation (EIS) / Gyro EIS (Optional) |

### Network

|                       |                                                                                                                      |
|-----------------------|----------------------------------------------------------------------------------------------------------------------|
| Video Compression     | H.265 / H.264                                                                                                        |
| Protocols             | ONVIF (PROFILE S, PROFILE G), SDK, TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, RTP, RTSP, RTCP, NTP, SMTP, SNMP, IPv6 |
| Intelligent Detection | Tripwire, Intrusion, Loitering, etc.                                                                                 |
| Storage               | Support micro-SD / SDHC / SDXC card (256g) offline local storage, NAS (NFS, SMB / CIFS support)                      |

### Image

|                   |                                                         |
|-------------------|---------------------------------------------------------|
| Max. Resolution   | VIS: 3840×2160 @ 25/30 fps; LWIR: 1920×1080 @ 25/30 fps |
| Video Compression | H.265 / H.264                                           |

### PT Unit

|                          |                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------|
| Rotation Range           | Pan: 360° Continuous Rotation; Tilt: +90° ~ -25°                                             |
| Speed                    | Pan: 0.05° ~ 80°/Sec; Tilt: 0.5° ~ 60°/Sec                                                   |
| Preset Position Accuracy | ±0.01°                                                                                       |
| Preset                   | 255 (Customizable)                                                                           |
| Functions                | Cruise Scan/Auto Scan; Support Query Angle Return Function (optional real-time angle return) |

### Interface

|             |          |
|-------------|----------|
| Ethernet    | 10M/100M |
| Serial Port | RS485    |

### General

|                      |                                                        |
|----------------------|--------------------------------------------------------|
| Operating Conditions | -40°C ~ 65°C; Humidity ≤ 90% (non-condensing)          |
| Protection           | IP66; TVS 4000V Lightning protection, Surge protection |

|                   |                   |
|-------------------|-------------------|
| Power Supply      | 24V DC $\pm$ 10%  |
| Power Consumption | Max: 36W          |
| Dimensions        | 208* $\phi$ 147mm |
| Weight            | < 3.5KG           |

## DRI

This table is only for reference and the performance may vary according to different environment. The optimal human detection, recognition, and identification distances are calculated according to Johnson's Criteria. Detection Range: In order to distinguish an object from the background, the object must be covered by 1.5 or more pixels. Recognition Range: In order to classify the object (animals, human, vehicle etc.), the object must be covered by 6 or more pixels. Identification Range: In order to identify the object and describe it in details, the object must be covered by 12 or more pixels.

| Thermal lens | Target                    | Detection | Recognition | Identification |
|--------------|---------------------------|-----------|-------------|----------------|
| 25mm         | Vessel(4m $\times$ 10m)   | 8780m     | 2200m       | 1100m          |
|              | Vehicle(4m $\times$ 1.4m) | 3190m     | 800m        | 560m           |
|              | Human(1.8m $\times$ 0.5m) | 1320m     | 330m        | 160m           |

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| Visible lens | Target                    | Detection | Recognition | Identification |
|--------------|---------------------------|-----------|-------------|----------------|
| 153mm        | Vessel(4m $\times$ 10m)   | 8440m     | 3349m       | 1688m          |
|              | Vehicle(4m $\times$ 1.4m) | 2954m     | 1172m       | 590m           |
|              | Human(1.8m $\times$ 0.5m) | 1055m     | 418m        | 211m           |