

MIVR-01 Triple-mode micro-pod

Features

- ✧ Quick disassembly structure, easy to install
- ✧ The extreme light small, weight $\leq 385\text{g}$
- ✧ Support for heading full angle range (360) rotation
- ✧ Target tracking and image compression
- ✧ With AI pedestrian and vehicle identification function



Specifications

System specification

System type	Gyro stability
Weight	$\leq 385\text{g}$

System characteristics

Platform type	Triple-axial
Pitch	$-100^{\circ} \sim +100^{\circ}$
Roll	$-45^{\circ} \sim +45^{\circ}$
Yaw	$n \times 360^{\circ}$
Max angular velocity	$\geq 100^{\circ}/\text{s}$
Stability accuracy	$0.1\text{mrad}(1^{\circ}/2\text{HZ})(1\sigma)$
Motor encoder accuracy	$\leq 0.3^{\circ}$

Electro-Optic

Resolution	$1920 \times 1080 @ 60\text{fps}$
FOV	$54.5^{\circ} \times 32.3^{\circ}$ (5.4mm)

Thermal IR

Resolution	$640 \times 512 @ 60\text{fps}$
FOV	$18.1^{\circ} \times 14.5^{\circ}$ (24mm)

Target tracking

Tracking speed	$\geq 40^{\circ}/\text{s}$
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Laser Ranging

Measuring	$3\text{km}(\pm 1\text{m})$
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System interface

Control interface	RS232/TCP
Video output	network(Rtsp)

Power supply

Supply voltage	$12 \sim 28\text{V}$
Power consumption	$A_v \leq 10\text{W}$, $\text{Max} \leq 20\text{W}$

Environmental conditions

Operating temperature	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$
Storage temperature	$-50^{\circ}\text{C} \sim +70^{\circ}\text{C}$

Mechanical

