

UBM360PL Three-Sensors micro-gimbal



Features

- ✧ The extreme light & small , weight $\leq 450\text{g}$
- ✧ Support for heading full angle range (360) rotation
- ✧ Visible light at 10 X optical zoom
- ✧ Quick disassembly structure, easy to install
- ✧ Tracking and identification function
- ✧ 1km LRF to detect and measure a target more precisely

Technical parameter

System specification

System type	Gyro stability
Weight	$\leq 450\text{g}$

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	$61.3^\circ \times 36.9^\circ \sim 6.8^\circ \times 3.9^\circ$

Thermal IR

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

Target tracking

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

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

Control interface	RS232/TCP
Video output	network

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

Mechanical

