

QZ110 Micro Gimbal Camera



QZ110

Double visible,infrared,laser ranging quadruple combination.



Technical info:

KG	350g
∅	90mm

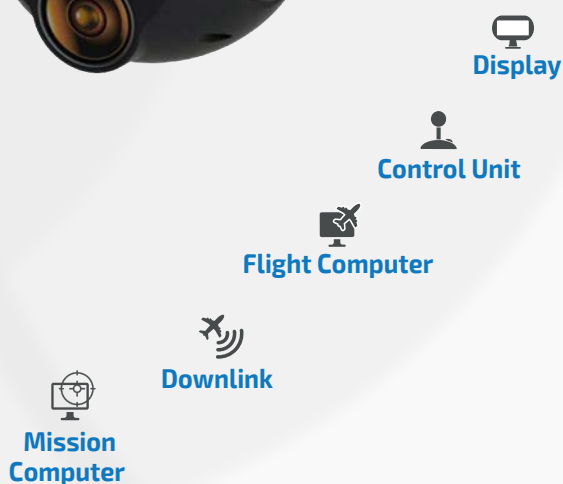
Applications

- Industry Inspection
- Emergency Rescue

Micro Gimbal Camera

Features

- Double visible, infrared, laser ranging quadruple combination, meet the needs of day and night reconnaissance
- With target recognition, target tracking, image compression and other functions
- Lightweight structure, weight less than 350g
- All electronic components are packaged in metal shell and conform to EMC design specification



System Description

System Type : Gyrostabilization
Weight : $\leq 350\text{g}$

Systematic Characteristics

Platform Type : Two Axle
Course : $-90^\circ \sim +90^\circ$
Pitch $-90^\circ \sim +30^\circ$
Maximum Angular Velocity : $\geq 60^\circ / \text{s}$
Maximum Angular Acceleration : $\geq 90^\circ / \text{s}^2$
Angular Position Accuracy : $\leq 0.3^\circ$

Infrared Image

Resolution and Frame Rate : $640 \times 512 @ 60\text{fps}$
Field of View : $18^\circ \times 13^\circ$

Optical Imagery

Resolution and Frame Rate : $1920 \times 1080 @ 60\text{fps}$
Field of View(big) : $42^\circ \times 24.5^\circ$
Field of View(small) : $12.7^\circ \times 7^\circ$

Laser Ranging

Ranging : 3-1.5km (accuracy $\pm 1\text{m}$)

Tracking Module

Tracking Speed : $\pm 48\text{ Pixel/Frame}$

System External Interface

Control Interface : 232 serial port (422 Optional)
Video Output : network synchronization (422 Optional)

Power supply

Power Interface : 14~28V
Power Consumption : Averages $\leq 10\text{w}$

Environmental Condition

Working Temperature Range : $-40^\circ \text{C} \sim +60^\circ \text{C}$
Storage Temperature Range : $-50^\circ \text{C} \sim +70^\circ \text{C}$

QZZQ reserves the right to change specifications without prior notice.