

QZ120 Micro Gimbal Camera



QZ120

Double visible and double infrared, quadruple combination.



Technical info:

KG	350g
∅	100mm

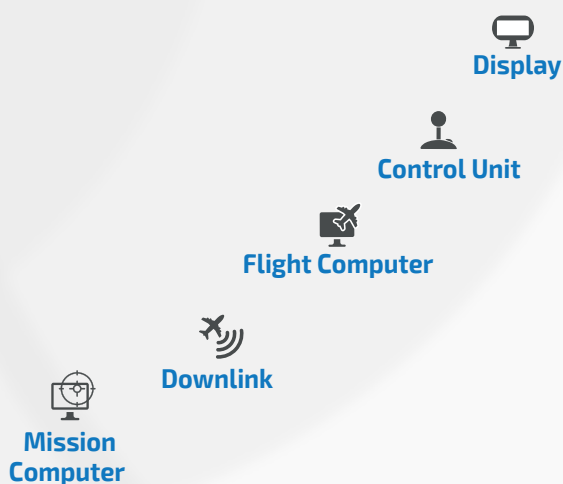
Applications

- Industry Inspection
- Emergency Rescue

Micro Gimbal Camera

Features

- Double visible and double infrared, quadruple combination, meet the needs of day and night reconnaissance
- With target recognition, target tracking, image compression and other functions
- Impact Resistance, suitable for catapulting UAV
- Light weight 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 : $\leq 500\text{g}$

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 $\leq 0.3^\circ$

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) : $12.7^\circ \times 7^\circ$

Infrared Image

Resolution and Frame Rate : $640 \times 512 @ 60\text{fps}$
Field of View (big) : $32^\circ \times 25.8^\circ$
Field of view(small) : $12.5^\circ \times 10^\circ$

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 : $-40^\circ \text{C} \sim +60^\circ \text{C}$
Storage Temperature : $-50^\circ \text{C} \sim +70^\circ \text{C}$
Launching Shock $\geq 400\text{g}$

QZQ reserves the right to change specifications without prior notice.