

QZ158T

Two Axis Four Framework Electro-Optical Pod



Applications

- Public Security
- Fire Fighting
- Electrical Inspection
- Photovoltaic Inspection
- Forest Fire Prevention
- Search&Rescue

Technical info:

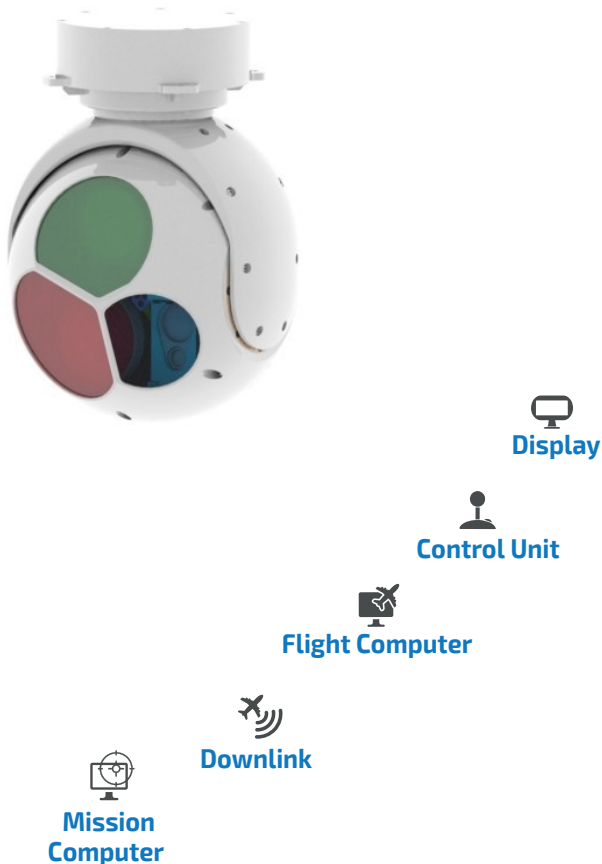
KG	≤2.5Kg
∅	158mm

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Two Axis Four Framework Electro-Optical Pod

Features

- ★ With day and night reconnaissance imaging function
- ★ With the function of high-precision stabilization of line of sight and image;
- ★ With the function of scan, search, target tracking;
- ★ With the function of target location;
- ★ With the function of zenith stable tracking;
- ★ With the function of image information superposition;
- ★ With the function of system self-check;



SYSTEM CHARACTERISTICS

Stabilization Precision: $\leq 30 \mu \text{ rad}$ (RMS)
Search Range: Orientation: $n \times 360^\circ$;
 Pitch: $+20^\circ \sim -110^\circ$ (Line of sight level is 0°)
Angular Accuracy: 2mrad
Max Search Angular Velocity: $\geq 60^\circ / \text{s}$
Max Search Angular Acceleration: $\geq 90^\circ / \text{s}^2$
Total Weight: 2.5kg

Visible Light TV

Optical Zoom Focal Length: 4.3mm ~ 129mm
Optical Zoom Lens: 30X
FOV Range: $63.7^\circ \sim 2.3^\circ$
Resolution: 1920×1080 pixel
Operating Range: Visibility $\geq 10 \text{ Km}$, under the condition of Relative Humidity $\leq 60\%$, the detection and recognition distance of $4 \text{ m} \times 6 \text{ m}$ vehicles is more than 5km.

Thermal Infrared Imager

Detector: Long wave uncooled 640×512 staring focal plane array;
Working Waveband: $8 \mu \text{ m} \sim 12 \mu \text{ m}$;
Pixel Size: $12 \mu \text{ m}$;
Focal Length: Fixed Focus 55mm;
F#: F1.0;
FOV: $8.0 \times 7.0^\circ$;
Operating Distance: visibility $\geq 10 \text{ Km}$, relative humidity $\leq 60\%$, background temperature difference $\geq 3 \text{ K}$, identification distance of $4 \text{ m} \times 6 \text{ m}$ vehicles is greater than 2.5km.

Laser Rangefinder

Working Wavelength: 1535nm (Eye-Safe)
Ranging Distance: $\geq 3 \text{ km}$
Ranging Accuracy: $\pm 2 \text{ m}$
Repetition Frequency: 1 ~ 10Hz

Interface

Power Supply Interface: 24VDC power supply, average power consumption $\leq 50 \text{ W}$, peak power consumption $\leq 120 \text{ W}$
Image and Control Signal Transmission Interface:
 SDI video output, RS422 communication interface

QZZQ reserves the right to change specifications without prior notice.