

# QZ30D

## Quintuple-mode Lightweight Gimbal Camera



### Applications

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

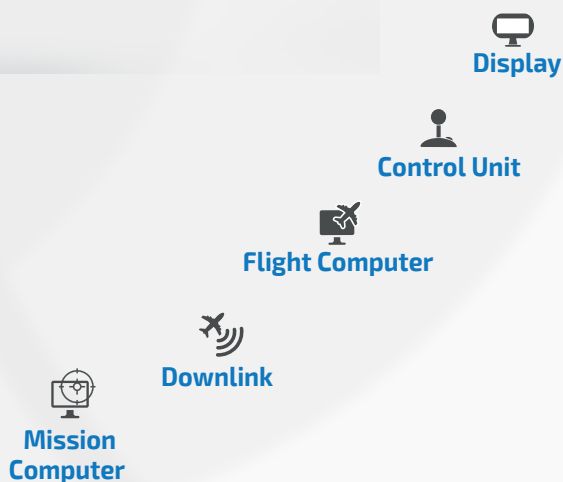
Technical info:

|    |         |
|----|---------|
| KG | ≤1.5Kg  |
| ∅  | 125.5mm |

## Quintuple-mode Lightweight Gimbal Camera

### Features

- ★ Daylight and thermal imaging with a single payload
- ★ Dual 2 million high resolution color cameras
- ★ Uncooled LWIR camera
- ★ Fusion of infrared and visible images
- ★ Quick-disassembly structure design
- ★ Suitable for miniaturized unmanned systems
- ★ With AI pedestrian and vehicle identification function



### SYSTEM CHARACTERISTICS

Platform type: Triple-axial  
 Yaw: 360° rotation  
 Pitch: -100° ~ +100°  
 Roll: -50° ~ +50°  
 Max angular velocity:  $\geq 100^\circ /s$   
 Max angular acceleration:  $\geq 90^\circ /s^2$   
 Motor encoder accuracy:  $\leq 0.3^\circ$

### SYSTEM SPECIFICATION

System type: Gyro stability  
 Weight:  $\leq 1500g$

### ELECTRO OPTICAL(30X)

Resolution :1920x1080 @60fps  
 FOV: 63° x35°  $\approx$  2.3° x1.3°

### VISIBLE PHOTOFIXED FOCAL IMAGING

Resolution:1920x1080@60fps  
 FOV: 38.4° x22.2° (8mm)

### TWO-VIEW FIELD OF THERMAL IR

Resolution:640x512@60fps  
 Small FOV:8° x6° (52mm)  
 Big FOV:24° x19° (18mm)

### SYSTEM INTERFACE

Control interface:RS232  
 Video output:network/SDI

### LASER RANGING

Measuring: $\geq 2km$  ( $\pm 1m$ )

### TARGET TRACKING

Tracking speed: $\pm 48$  pixel/frame

### POWER SUPPLY

Supply Voltage:11-16V  
 Power consumption:Av $\leq 15W$

### ENVIRONMENTAL CONDITIONS

Operating temperature:-20° c  $\sim$  +50° c  
 Storage temperature: -40° c  $\sim$  +60° c

QZZQ reserves the right to change specifications without prior notice.