

QZ01T

Miniature ISRT Systems for Small UAVs



The QZ01T is a member of the STAMP Stabilized Miniature Payload family, which was developed to meet demanding Intelligence, Surveillance, Reconnaissance and Targeting (ISRT) missions on Small UAV (SUAV) platforms.

The STAMP systems provide maximum sensor range performance by using highly sensitive sensors, gyro-stabilization and unique video enhancement algorithms.

QZZQ's STAMP family of EO/IR systems are ruggedized for high shock landings, which are common amongst SUAV platforms.

Applications

Realtime Situation Awareness and Tactical Response
Over-the-Hill Reconnaissance
Special Operations
Force Protection
Law Enforcement
Search & Rescue

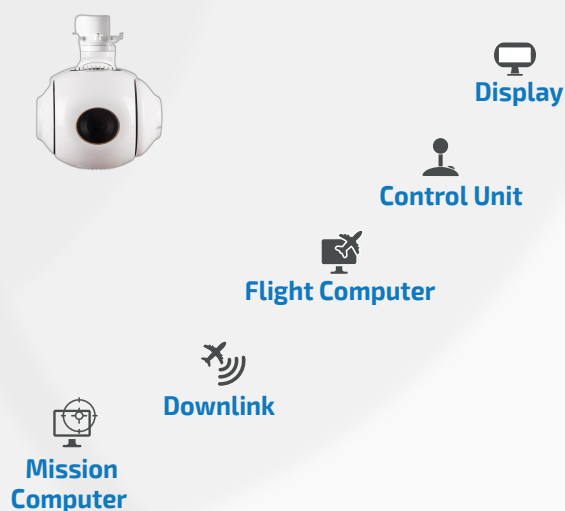
Technical info:

KG	780g
Ø	120mm

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Features

- AI identification function supported
- Get far and near in sight
- All directional object tracking
- Military class working condition
- Small and light, but powerful
- High compatibility with multi-interface



Electro-Mechanical

Type:	3 Gimbals Gyro-stabilized System
Field of Regard:	Azimuth: 360° x N (connuous) Pitch: -110° ~ +10°
Angular Velocity:	Roll: -40° ~ +40° Up to 50° / Sec in Roll Up to 50° / Sec in Pitch

Full HD Daylight Channel

Resolution	1920×1080
Lens Focal Length	4.3mm ~ 129mm
FOV	63.7° ~ 2.3°
Optical Zoom	30x
Digital Zoom	2x

Physical Characteristics

Weight (Turret):	780g (1.72lb)
Dimensions (Turret):	(Ø)120mm (4.72") x (H)183mm (7.21")

Electrical Interface

Voltage:	10V ~ 14V
Power Consumption:	15W typical/30W peak
Video Outputs:	HD-SDI, 1080p, 30Hz
Communication:	RS422

Environmental Conditions

Temperature:	-20 ~ +60
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QZZQ reserves the right to change specifications without prior notice.