

T-STAMP-XED

Miniature ISRT Systems for Small UAVs - 30mJ Designator



The T-STAMP-XED 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.

CONTROP'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
- Maritime Patrol
- Law Enforcement
- Laser Target Designation

Technical info:

 KG	3.6 kg / 4.1kg
	178mm
 KM	15km

T-STAMP-XED

CONTROP
Turning Vision Into Reality

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Features

- Superior Gyro-stabilized Image
- Single LRU System
- Three (3) Gimbal System
- Accurate Geo-locations
- Advanced Image Processing
- Lightweight and Compact Design
- Automatic Video Tracker

Optional

- Laser Pointer
- Laser Designator
- Nose or Belly Mounting
- Inertial Navigation Modes
- Video Embedded Telemetry

Image Processing

- Local AGC
- Video Enhancement
- Picture-in-Picture (PIP)

Tailored Solutions Available Upon Request (MOQ may apply)

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Electro-Mechanical

Type: 3 Gimbals Gyro-stabilized System
Field of Regard: Belly Mount: Elevation: 10° to -100° (Horizon)
Azimuth: N x 360°
Nose Mount: Elevation: -40° to +80° (NADIR)
Roll: N x 360°
Angular Velocity: Up to 60° / Sec in Roll
Up to 30° / Sec in Roll

Thermal Imaging (TI) Sensor

Spectral Range: 3-5 μm
Detector: 640x512 Pixels FPA
Field of View: 2° - 30°
Zoom: Continuous Optical Zoom x15
Digital Zoom x4

Daylight Channel

Camera: FHD 2MP CMOS High Resolution Color
Field of View: 2.3° - 42°
Zoom: Continuous Optical Zoom x18
Digital Zoom x8

Laser Pointer (Configuration 1)

Wavelength: 0.8 μm

Laser Designator (Configurations 2 or 3)

	11mJ	30mJ
Spectral Range:	1064 nm	1064 nm
Energy:	11 mJ	30 mJ
Maximal Range:	2 km	2.7-3.2 km
Coding:	NATO	STANG 3733
ITAR:	ITAR	ITAR free

Physical Characteristics

	11mJ	30mJ
Weight (Turret):	3.6 kg (7.7lb)	4.1 kg (9lb)
Dimensions (Turret):	(\varnothing)178mm (7") x (H)301mm (11.8")	

Electrical Interface

Voltage: 24-28 VDC
Power Consumption: Average: 40 Watt, Max: 95 Watt
Video Outputs: HD-SDI 720p, H.264/5 (Optional)

Environmental Conditions

Temperature: -20° C to +45° C
Humidity: 95% RH
Shock Amplitude: 22g

CONTROP reserves the right to change specifications without prior notice