

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.

Technical info:

KG	3.6 kg / 4.1kg
Ø	178mm
KM	15km

Applications

- Realtime Situation Awareness and Tactical Response
- Over-the-Hill Reconnaissance
- Special Operations
- Force Protection
- Maritime Patrol
- Law Enforcement
- Laser Target Designation

T-STAMP-XED

CONTROP
Turning Vision Into Reality

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TRL 9- Mission Tested & Proven



Rugged & Stabilized



Precise Navigation



Environmentally Sealed



ITAR Free Options



Mission Control Software

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)

[Learn More](#)



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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 μ m
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 μ m
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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):	(Ø)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