# T-STAMP-XED

Miniature ISRT Systems for Small UAVs - 30mJ Designator

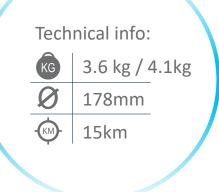
The T-STAMP-XED is a member of the STAMP STAbilized Miniature Payload family, which was developed to meet demanding Intelligence, Surveillance, Reconnaissance and Targeting (ISRT) missions on Small UAV (SUAV) platforms.

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





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#### **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)

Electro-Mechanical		
Type: Field of Regard: Angular Velocity:	3 Gimbals Gyro-stabilized System Belly Mount: Elevation: 10° to -100° (Horizon) Azimuth: N x 360° Nose Mount: Elevation: -40° to +80° (NADIR) Roll: N x 360° Up to 60° / Sec in Roll Up to 30° / Sec in Roll	
Thermal Imaging (TI) Sensor		
Spectral Range: Detector: Field of View: Zoom:	3-5 μm 640x512 Pixels FPA 2° - 30° Continuous Optical Zoom x15 Digital Zoom x4	
Daylight Channel		
Camera: Field of View: Zoom:	FHD 2MP CMOS High Resolution Color 2.3° - 42° Continuous Optical Zoom x18 Digital Zoom x8	
Laser Pointer (Configuration 1)		
Wavelength:	0.8µm	
Laser Designator (Configurations 2 or 3)		
Spectral Range: Energy: Maximal Range: Coding: ITAR:	<b>11mJ</b> 1064 nm 11 mJ 2 km NATO ITAR	<b>30mJ</b> 1064 nm 30 mJ 2.7-3.2 km STANG 3733 ITAR free
Physical Characteristics		
Weight (Turret): Dimensions (Turret):	<b>11mJ</b> 3.6 kg (7.7lb) (Ø)178mm (7") x (H)3	<b>30mJ</b> 4.1 kg (9lb) 01mm (11.8")
Electrical Interface		
Voltage: Power Consumption: Video Outputs:	24-28 VDC Average: 40 Watt, Max: 95 Watt HD-SDI 720p, H.264/5 (Optional)	
Environmental Conditions		
Temperature: Humidity: Shock Amplitude:	-20° C to +45° C 95% RH 22g	
CONTROP reserves the right to change specifications without prior notice		

Tailored Solutions Available Upon Request (MOQ may apply)

