

T-STAMP-XD

Miniature ISRT Systems for Small UAVs



The T-STAMP-XD 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	5.9kg
 Ø	220mm
 KM	15km

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CONTROP
Turning Vision Into Reality



Features

- Superior Gyro-stabilized Image
- Single LRU System
- Accurate Geo-locations
- Advanced Image Processing
- Lightweight and Compact Design
- Automatic Video Tracker
- Video Motion Detection

Optional

- Laser Pointer
- Laser Designator
- Inertial Navigation Modes
- Video Embedded Telemetry

Image Processing

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

Electro-Mechanical

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

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

HD Daylight Channel

Camera:	FHD 2MP CMOS High Resolution Color
Field of View:	2.3° - 38°
Zoom:	Continuous Optical Zoom x17 Digital Zoom x8

Laser Designator (Configuration 1)

Spectral Range:	1064 nm
Energy:	50 mJ
Coding:	STANG 3733
Maximal Range:	3.5-4 km
ITAR	ITAR free (Optional)

Laser Rangefinder (Configuration 2)

Type:	Eyesafe, Class 1
Wavelength:	1550 nm
Range:	75 – 8,000 m

Laser Pointer (Configuration 3)

Wavelength:	0.8 μ m
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Physical Characteristics

Weight (Turret):	5.9 kg (13lb)
Dimensions (Ball):	(\emptyset)220mm (8.66")
Dimensions (Turret):	(\emptyset)193mm (7.6") x (H)335mm (13.2")

Electrical Interface

Voltage:	22-32 VDC
Power Consumption:	50 Watt (Nominal), 95 Watt (Max)
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

Tailored Solutions Available Upon Request (MOQ may apply)

[Learn More](#)



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