The M-STAMP 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.

Miniature, gyro stabilized electro-optic system, containing an un-cooled thermal camera, and day high-resolution Mega-Pixel CMOS camera Built in Automatic Video Tracker (optional).

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
Law Enforcement
Search & Rescue

Technical info:

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<tr>
<td>KG</td>
<td>1.33</td>
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<td>Ø</td>
<td>168mm</td>
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<td>KM</td>
<td>2.8km</td>
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Thermal Imaging detection range to NATO target
M-STAMP
Miniature ISRT Systems for Small UAVs

Features
Superior Gyro-stabilized Image
Single LRU System
Accurate Geo-locations
Advanced Image Processing
Lightweight and Compact Design

Optional
Automatic Video Tracker
Laser Pointer
Nose or Belly Mounting
Inertial Navigation Modes
Video Embedded Telemetry

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

Electro-Mechanical
Type: 3 Gimbal Gyro-stabilized System
Angular Velocity: P: +70° to -40° (Belly Mount +15° to -95°)
R: ± 170° (Optional 360° x N)
Field of Regard: Up to 60° / Sec in Roll
Angular report accuracy: Up to 30° / Sec in Pitch

Thermal Imaging (TI) Sensor
Spectral Range: 8-12μm
Detector: Infrared, Un-Cooled Microbolometer,
Amorphous Silicon
Lens: 640 X 480 Pixels FPA (pitch 17μ)
Horizontal Fields of view (± 10%): 39° (WFOV) to 11.7° (NFOV)
Continuous optical zoom ×3.4
Elect Zoom -3°

HD Daylight Channel
Camera: CMOS High Resolution Color 1280x720
Lens: Continuous Zoom Lens x20
Field of View: 720p: 5° to 50° horizontal FOV
PAL/NTSC: 2° to 40° horizontal FOV
Elec. Zoom x4

Laser Pointer (optional)
Wavelength: 0.8μm

Physical Characteristics
Weight (Turret): 1.33 kg (3lb)
Dimensions (Turret): (Ø)168mm (6.61") x (H)197mm (7.76")

Electrical Interface
Voltage: 24 VDC
Power Consumption: 23Watt
Video Outputs: PAL, NTSC, HD-SDI

Environmental Conditions
Temperature: -30° C to +45° C

CONTROP reserves the right to change specifications without prior notice.