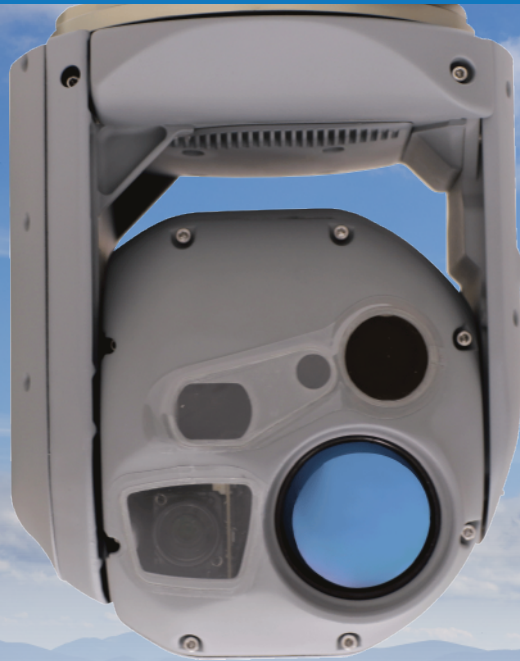


MULTI-STAMP

Miniature ISRT Systems for Small UAVs



The MULTI-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.

The STAMP systems provide maximum sensor range performance by using highly sensitive sensors, gyro-stabilization, unique video enhancement and Embedded Advanced algorithms.

CONTROP's STAMP family of EO/IR systems are ruggedized for high shock landings, which are common amongst SUAV platforms.

Technical info:

 KG	1.7kg
 Ø	150mm
 KM	2.8km

Applications

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

 Thermal Imaging detection range to NATO target

CONTROP
Turning Vision Into Reality

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CONTROP
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Features

- Superior Gyro-stabilized Image
- Single LRU System
- Accurate Geo-location
- Advanced Image Processing
- Lightweight and Compact Design
- Automatic Video Tracker
- Nose or Belly Mounting
- Inertial Navigation Modes

Embedded Advanced algorithms- Optional

- Video Telemetry
- EO and IR Persistence Surveillance
- Automatic video motion detection (VMD)
- Automatic Target Recognition (ATR)
- Target Location Error (TLE)

Optional

Laser Designator

Image Processing

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

Tailored Solutions Available Upon Request (MOQ may apply)

Electro-Mechanical

Type: 2 Gimbal Gyro-stabilized System
Field of Regard: Belly Mount: P: +30° to -90°
R: ± 360°
Nose Mount: P: +70° to -40°
R: ± 170°
Angular Velocity: Up to 60° / Sec in Roll
Up to 30° / Sec in Pitch

Thermal Imaging (TI) Sensor

Spectral Range: 8-12μm
Detector: LWIR 640 X 480 Pixels FPA (pitch 17μ)
Field of View: 40° (WFOV) to 11.7° (NFOV)
Zoom: Continuous optical zoom x3.4
Digital Zoom x4°

Daylight Channel

Camera: FHD 12.7 MP CMOS High Resolution Color
Field of View: 1080p: 50° to 5° horizontal FOV
Zoom: Continuous Optical Zoom x10
Digital Zoom x4

Laser Designator Marker (Optional)

	11mJ	15mJ
Spectral Range:	1.064μm	1.064μm
Energy:	11 mJ	15 mJ
Maximal Range:	1 km	1.2 km
Coding:	NATO	NATO
ITAR:	ITAR	ITAR free
See Spot:	Optional	Optional

Physical Characteristics

Weight (Turret): 1.7 kg (3.74lb) w/o Designator
Dimensions (Turret): (Ø)150mm (5.9") x (H)194mm (7.63")

Electrical Interface

Voltage: 20-30 VDC
Power Consumption: < 30W Watt Nominal
< 60W Watt Maximum
Video Outputs: Digital: Ethernet FHD 1080p
or Ethernet HD 720p
HD-SDI
H.264 or H.265 over mpeg2-TS + KLV

Environmental Conditions

Temperature: - 30° C to + 45° C

CONTROP reserves the right to change specifications without prior notice

Learn More



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