

STAMP PAYLOADS

Gyro-stabilized Miniature Payloads for Small UAVs and Small A/C



D-STAMP/HD
U-STAMP/Z/DF
Uncooled IR or CCD

M-STAMP
Dual Sensor

T-STAMP
Dual Sensor

TR-STAMP
Triple Sensor

Key Features:

- 3 Gimbal systems.
- Light weight.
- Gyro-stabilized.
- Precise geo-location.
- Low power consumption.
- One LRU.
- Cost effective.
- Nose or Belly mounting.
- Single or Dual Sensor.

Modes of Operation:

- Observation Mode (Joystick Rate Mode).
- Inertial Target Tracking Mode.
- Hold Coordinate Mode (optional).
- Point to Coordinate Mode (optional).
- Pilot Window.

Platforms:

- Small UAVs.
- VTOL, UAVs.
- Small Helicopters and Light A/C.
- Aerostats.
- Tactical Small Observation Balloons.
- Terrestrial Unmanned Vehicles.

- The **STAMP** payloads have been fully operational in combat situations around the globe for several years.
- The **STAMP** payloads are airborne sensors which are designed to be carried by a miniature UAV, for tactical "Over-the-Hill" reconnaissance in daylight and / or at night.
- The **STAMP** payloads provide small UAVs with the image quality of large UAV payloads.
- The **STAMP** payloads are ruggedized for high shock landings and are proven on many platforms worldwide.



STAMP PAYLOADS

	D-STAMP	D-STAMP-HD	U-STAMP-DF	U-STAMP-Z	M-STAMP	T-STAMP	TR-STAMP
Day Channel FOV:	4.6° - 46° X10	HDTV: 50° - 5.4° X9 or Crop Mode 40° - 2° X20	-	-	4.6° - 46° X10	HDTV: (crop mode) 2° - 40° X10	HDTV: (crop mode) 2° - 40° X10
IR Camera HFOV	-	-	8-12µm Un IR 11° / 32°	8-12µm Un IR 9.5° - 37° (X3.8)	8-12µm Un IR 11° / 32° (X2.9) or 11.5° - 40° (X3.5)	3-5µm IR 3° - 22° (X7)	3-5µm IR 1.7° - 25.5° (X15) Optional LRP
Continuous				✓	✓	✓	
Field Of Regard	Elevation: +10° to -82° (Optional +10° to -100°) Azimuth: ±175° (Optional 360° x N (SR))					Elevation: 10° to -100° Azimuth: 360°xN	Elevation: 10° to -100° Azimuth: 360°xN
Belly Mount:	Elevation: 70° to -40°					Elevation: 70° to -40°	Elevation: 80° to -40°
Nose Mount:	Roll: ±175° (Optional 360° x N (SR))					Roll: 360°xN	Roll: 360°xN
Weight	750 gr	840 gr	990 gr	1120 gr	1150 gr	3.3 kg	6.3 kg
Dimensions	L: 160mm D: 130mm	L: 160mm D: 130mm	L: 160mm D: 130mm	L: 175mm D: 150mm	L: 180mm D: 152mm	L: 274mm D: 178mm	L: 309mm D: 212mm
Power Consumption	9 Watt	12 Watt	11 Watt		13.5 Watt	39 Watt	40 Watt



Applications:

- Over-The-Hill Reconnaissance.
- Flight Safety.
- Aid to Pilots for flight tasks.
- "Eyes In The Night".
- Clear Landing Pads.
- Observation.
- Search & Rescue (SAR).
- Navigation.



Options:

- Payload data symbology on video image.
- Integrated INS/GPS on Line of Sight for navigation (Point to Target Coordinates capability).
- Laser Pointer (T-STAMP and M-STAMP only).
- Dual Sensor (Uncooled IR, CCD) at 1.23 kg.

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DEFSYS reserves the right to change specifications without prior notice

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