

ELOP Condor™TAC

Tactical Aerial Reconnaissance Photography System



Two camera clusters providing all-in-one recce capabilities

Designed for day and night overflight imaging of extended areas from a fighter or special mission aircraft, CondorTAC is an airborne reconnaissance system providing high-resolution, wide-area coverage, visible and IR mono and stereo images, from very low to very high altitudes. High quality optics provide clear, easy-to-interpret images and facilitate precise photogrammetry/mapping capability. Precise georeferencing capability is provided by the INS/GPS embedded in the camera. Mounted in an aerodynamically shaped pod, CondorTAC can operate in a wide envelope of flight altitudes and speeds. The pod also contains a system management and video processing unit, wideband data link, and solid-state data recorder. A modular tactical camera system with open architecture, Condor TAC allows long operational life with easy, non-expensive upgrades and configuration changes.

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Tactical Aerial Reconnaissance Photography System

Major System Characteristics

- Operational suitability for a wide range of missions
- Day and night imaging: two separate clusters of camera stations - one for the IR channel and the other for the EO channel
- Very high resolution imagery at high, medium and very low altitudes while maintaining large area coverage
- All-in-one mission capability: both stations fitted with separate low altitude and medium altitude sensors
- Fully autonomous navigation
- Interface with a wide range of aircraft
- Accurate mapping enabled by embedded GPS/INS and sophisticated servo-systems
- Maintains high performance at a wide range of altitudes and Mach numbers
- Pilot override for targets-of-opportunity
- On-board mission and data recording
- Wideband data link for real time image transmission
- Self contained pod configuration
- Stationary and/or mobile ground reception and exploitation stations



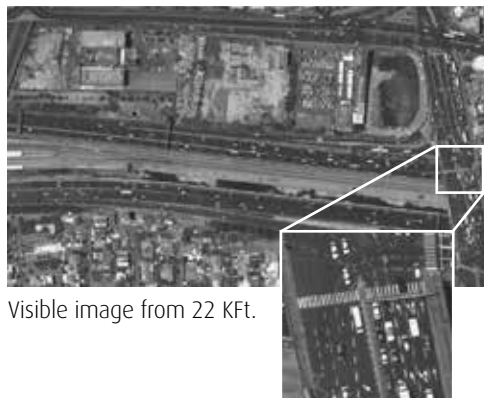
Typical Operational Flight Envelope

| | |
|----------|-------------------|
| Altitude | 500 – 40,000 feet |
| Speed | Up to M1.4 |

Typical Images



IR image from 22 Kft.



Visible image from 22 Kft.



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