



COMPEL INDUSTRIES

PRODUCTION - TRADE - SOLUTION - COMPANY

PRIMOCO UAV FOR THE CIVILIAN AND GOVERNMENTAL/MILITARY SECTORS

MAIN CHARACTERISTICS

At Primoco UAV, we recognized the need for a UAV designed for the civilian and governmental/military sectors. A UAV approved by regulatory authorities and licensed for military export if needed. A UAV with the endurance to fly for 15 hours and a 200 km radio range. A UAV that is built to take-off, perform and land autonomously. And to do it again the next day, and the next, reliably delivering real-time video and information capture.



15 HOURS
ENDURANCE TO FLY

200 KM
RADIO RANGE

2000 KM
IN ONE MISSION

150 KM/H
SPEED

120 000 KM
COVERAGE

FLEXIBILITY TO DELIVER ANY MISSION



The opportunities presented by unmanned aerial vehicles are almost limitless, and significantly expand on existing options and concepts. Whatever the field – industry, agriculture, research, energy or other sectors – unmanned aerial vehicles can help you find economic solutions in areas which, just a few years ago, would never have been considered.



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LAW ENFORCEMENT

For law enforcement agencies the Primoco One 150 brings an unparalleled level of automation with a wide variety of sensors, a sustainable cost of operation and a predictable maintenance scheme.

BORDER PATROLS

Regardless of the length of your border, the Primoco One 150 UAV is well-suited for non-stop surveillance of any border area.

RECONNAISSANCE AND SURVEILLANCE

The Primoco One 150 UAV is the platform best suited for unobtrusive surveillance and reconnaissance. The cruising altitude allows unnoticed observation since both the sound and optical detection of the system are practically excluded, while the on-board sensors reach and long-range 200 km LOS operation ensure perfect conditions for intelligence gathering.

PIPELINES AND ENERGYLINES MONITORING

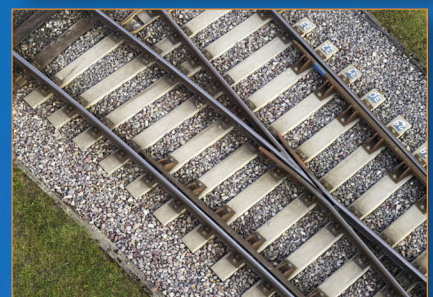
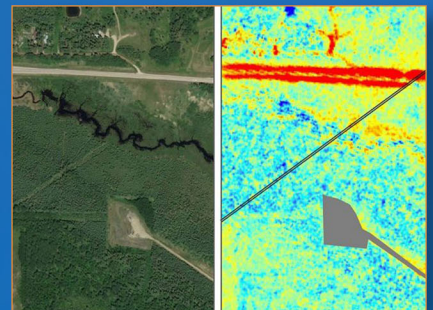
For the oil and energy industry the Primoco One 150 UAV brings a cost-effective platform for daily use with sophisticated technology and automatization of pipelines and transmission line monitoring. The plane is operated and controlled from a Ground control station with very advanced level of automatization for easy mission planning and preparation.

ENVIRONMENTAL PROTECTION AND RESEARCH

The Primoco One 150 UAV was proven as an ideal platform for environmental monitoring. When counting animals it can provide unobtrusive flights over the area of interest without disturbing wildlife.

RAILWAY MONITORING

For large countries the railroad network is part of the critical infrastructure. As such, it should be a subject to regular inspection and maintenance. The Primoco One UAV allows remote detection of any irregularities ensuring in-time detection of possible threats and hazards.





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TECHNICAL SPECIFICATIONS

Wingspan:	4.85 m
Length:	3.65 m
Maximum take-off weight:	150 kg
Payload:	1 – 30 kg
Maximum range from GCS:	200 km
Maximum distance:	2,000 km
Cruising speed:	100 – 150 km/h
Endurance:	15 hours
Maximum altitude:	3,300 metres (FL100)
Runway length:	300 metres
Navigation system:	GPS/Glonass/Galileo/Beidou
Air traffic control:	Transponder S-Mode
Communication:	Radio Datalink 5 - 6 GHz or Satellite Communication
Equipment:	Standard HD/MWIR camera on gimbal mount Options including Lidar sensor Customized sensors / payload as required
Shipping format:	Container 290 x 125 x 100 cm



TECHNICAL SPECIFICATIONS OF ENGINE

Engine:	Four cylinder, Four stroke
Cooling:	Air-cooled
Displacement:	340 CCM
Power:	25 HP
Max RPM:	5,000
Maximum CHT:	160 C
Starter:	Electric
Generator:	24V / 1,000W
Time between overhaul (TBO):	400 hours
Ignition system:	Fully electronic

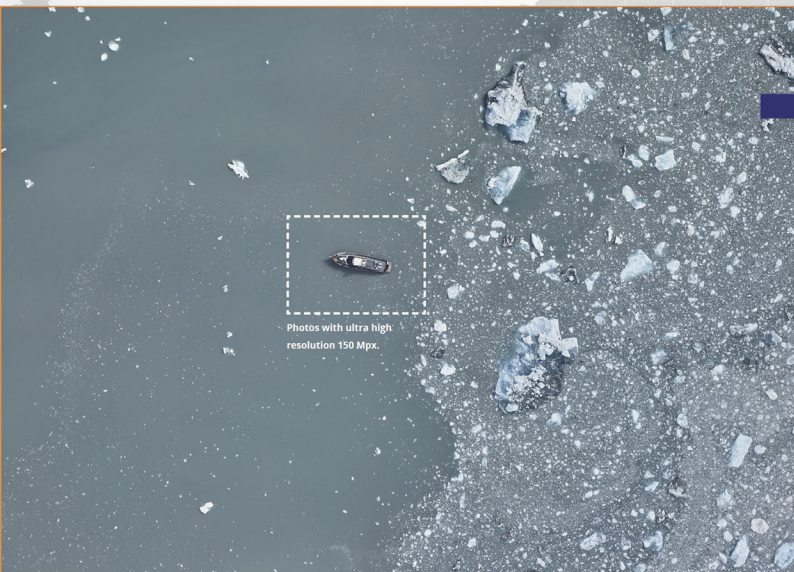




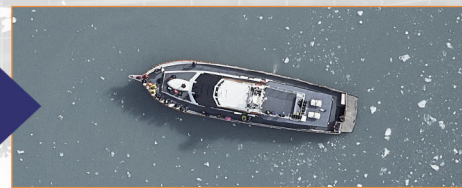
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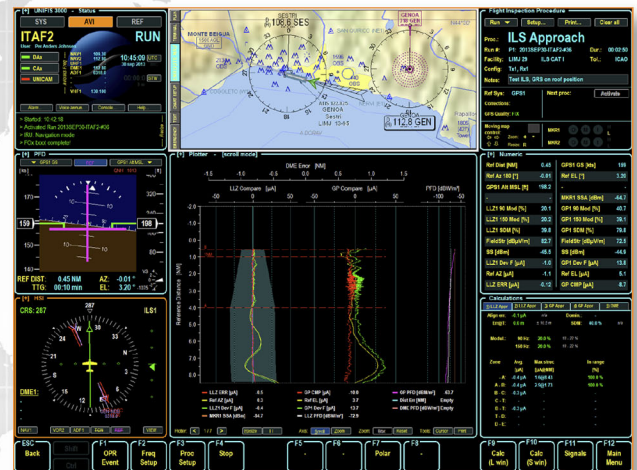


Photos with ultra high resolution 150 Mpx.



PHOTOS WITH ULTRA HIGH RESOLUTION 150 Mpx.

Regardless of the length of your border, the Primoco One 150 UAV is well-suited for nonstop surveillance of any border area. The sophisticated UAV navigation system consisting of GPS and inertial navigation allows safe operation on the required side of the border without any risk of crossing the line.



PAYLOAD FLEXIBILITY

30 KG

The maximum payload of 30 kg can be used to deliver sensitive monitoring instruments to a required location or to follow a defined flight path, and to return them to base without the complexity and costs of a fully manned mission. Using the datalink, payloads can be remotely controlled and powered with up to 1,000 W for all UAV ONE 150 payloads.

DESIGNED FOR PORTABILITY

Often, UAV manufacturers focus on the aerial part of the mission, forgetting that the largest part of most UAV operations is the transport of the aircraft and the flight team to the operational area. The UAV ONE 150 is built around a single vehicle delivery concept - the team and the aircraft can fit in a light van.



FITS IN A CAR > DIMENSIONS IN SHIPPING FORM:
290 x 125 x 100 CM



**IN THE AIR IN UNDER 30 MINUTES
FROM THE BOX – ASSEMBLY TIME
30 MINUTES FOR 2 PEOPLE**