



United Vehicle Robotics

DROMI



DROMI

UNMANNED AIRCRAFT SYSTEM  
CONVERTED MI-2 HELICOPTER

# UNMANNED AERIAL VEHICLE COMPLEX WITH GAS TURBINE ENGINES

DroMi is a multi-purpose UAV  
designed to fly in automatic mode.

Its payload capacity of up to 1200 kg  
and high performance make it  
suitable for the most demanding  
missions



# FLYING PLATFORM

A blue helicopter is shown from a low angle, flying towards the viewer. The helicopter has 'UR' on its side and 'DROMI' on its tail. The background is dark blue with light trails from the rotor blades.

## MULTI-PURPOSE PLATFORM

- cargo transportation
- firefighting
- aerial chemical operations
- aerial photography
- assembly work
- rescue operations
- inspection

## EXTENDED OPERATING RANGE

- round-the-clock operation
- all-weather operation
- Resistance to hazardous environmental conditions
- flights out of the operator's line of sight

## PAYLOAD COMPATIBILITY

- Cargo transportation equipment (external suspension)
- Firefighting equipment
- Equipment for agricultural chemical works

## PLATFORM FOR MULTIPLE TASKS



# PILOTAGE AND NAVIGATION COMPLEX

- Inertial system (MAMS)
- GNSS
- Barometric altimeter
- Laser rangefinder
- Visual odometry



# FLIGHT CHARACTERISTICS



CRUISING SPEED.....	180 KM/H
PRACTICAL CEILING.....	4,000 M
OPERATING TEMPERATURE RANGE...-	40°C/+40°C
MAXIMUM FLIGHT RANGE (WITH PAYLOAD IN CARGO COMPARTMENT).....	300 KM
MAXIMUM FLIGHT TIME (WITH PAYLOAD).....	2 H
EMPTY WEIGHT.....	2,080 KG
MAXIMUM TAKE-OFF WEIGHT.....	3,700 KG
MAXIMUM CARGO WEIGHT INSIDE THE CARGO COMPARTMENT.....	700 KG
MAXIMUM CARGO WEIGHT ON EXTERNAL SUSPENSION.....	800 KG
MAXIMUM PAYLOAD, INCLUDING FUEL....	1,200 KG
HELICOPTER HEIGHT (WITH ROTATING TAIL ROTOR).....	4.53 M
MAIN ROTOR DIAMETER.....	14.5 M
HELICOPTER LENGTH (WITH ROTATING ROTORS).....	17.42 M
HELICOPTER WIDTH, WITHOUT ROTORS.....	3.23 M
POWER PLANT.....	2 X GTD-350
POWER PLANT POWER.....	2 X 400 HP
FUEL.....	AVIATION KEROSENE
MAXIMUM HEADWIND SPEED (DURING TAKE-OFF AND LANDING).....	15 M/S

# BASIC AUTOPILOT FUNCTIONALITY

- Fully Automatic Takeoff, En-route Flight and Landing
- Remote Control of Flight
- Flight cCtinuation in Case of Satellite Navigation System Signal Loss
- Safe Landing Zone Detection
- Detection and Overflight of Obstacles





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