Unmanned helicopter R22-UV based on Robinson 22 helicopter.
Take-off, en-route flight and landing are fully automatic.

Night operations and Flights under Severe weather conditions
All terrain capable
Primed for ease operations
Meeting operational requirements
Low life cycle costs

Remote Ground Controls network capability
Auto-rotation landing capability and high efficiency flight control, based on TECS
Simultaneous multi-UAV operation
Customizable software and SDK
Redundant autopilot system

·Payload Options:
- EO/IR
- RADARS SAR/GMTI
- LIDAR
- HYPERSPECTRAL

Application

Video surveillance and monitoring
·Cargo dropping up to 180 kg (**400** lbs) at specified location
· Autonomous cargo transportation and delivery
·Radio relay
·Agricultural operations using spraying equipment
·Flying R&D laboratory (meteorology, hydrology, earth monitoring, etc.)

UAVOS

TECHNICAL DATA

Parameter	Data
Maximum cruising speed	160 km/h
Maximum speed	189 km/h
Cruise fuel consumption l/h	33,5 l
Length	8800 mm
Main rotor diameter	7700 mm
Height	2700 mm
Wheelbase	1800 mm
Engine type	Four-stroke engine
Engine manufacturer	Lycoming O-320-A2B
Engine power	124 HP
Fuel tank capacity	270 l
Payload with full fuel tank	40 kg
Max. takeoff weight	635 kg
Max. climbing rate	6 m/s
Max. wind speed during taking off or landing	14 m/s
Operational range	1020 km
Service ceiling	4200 m
Endurance	6 h
Generator / starter (output DC) 25A	28V
Onboard power supply	28V
Autorotation	Yes
Altimeter	radio
TBO	2200hr

OPERATION SPECIFICATION

Parameter	Data
Level surface	15m x 15m
Control modes:	
Main	Fully automatic
Assisted	Semi-automatic
Emergency situations	Emergency
Takeoff and landing	Fully automatic
Emergency landing	Autorotation
Ground support equipment	Not required
Engine start	Automatic

UAVOS