



MULTIROTOR  
FOR SPECIAL OPERATIONS













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# HKR-3 "Hornet"



**HKR-3** is the logical and best choice for UAV for the needs of the special forces of the police and the services of different governmental organisations.

**HKR-3** is intended to be used in harsh environment and its resistance provides reliable solution for different operations. **The low noise profile and small dimensions** provide the ability for fast deployment, ease of use and surveillance behind enemy lines.

-  Dimensions: 800 mm diameter / 480 mm height
-  up to 6,5 kg maximum take-off weight (could vary depending on the payload)
-  up to 4 kg empty weight (could vary depending on the chosen equipment onboard)
-  up to 40 min maximum flight time (depending on the weather conditions)
-  6S1P LiPo battery, 16 000 mAh
-  Autopilot Pixhawk 2.1 or DJI A2 with multiple flight modes
-  Ground Control Station for control and telemetry
-  up to 40 km maximum distance for effective control / up to 5 km with integrated control
-  Vertical accuracy of the positioning  $\pm 0.8\text{m}$ , horizontal accuracy  $\pm 2.5\text{m}$  with the usage of GNSS or 2.5 cm with RTK
-  Automatic flight on route with automatic landing
-  From  $-10^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$  operational outside air temperature
-  IP 55 protection and CE certification





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## HKR-3 "Hornet"

### Main Parameters

Dimensions:	800 mm diameter between the engines 480 mm height
Empty weight:	up to 4 kg
Maximum take-off weight:	up to 6,5 kg
Maximum flight time:	up to 40 min
Maximum payload:	2,5 kg
Maximum speed:	up to 65 km/h
Power supply:	24VDC
Battery:	6S1P, LiPo, 16 000 mAh
Operational outside temperature:	-10°C up to +40°C
Wind:	up to 35 km/h
Maximum operational altitude:	min 2000 m
Protection and certification:	IP55 and CE certification

### Equipment

Autopilot:	DJI A2 / Pixhawk 2.1 (upon customer choice)
Telemetry:	Lightbridge 2 / (upon customer choice)
Manual control:	DJI / 16 channels (upon customer choice)
Distance:	up to 5 km / 40 km (upon customer choice)

### Optional equipment

Telemetry	up to 80 km (upon customer choice)
Ground Control Station:	Customized or tablet
Software:	DJI GO, Pix4D, Drone Deploy и др.
Special equipment:	Night vision cameras Thermal cameras NDVI and CWSI cameras

