



MULTIROTOR
FOR SPECIAL OPERATIONS
www.aero-vision.net
office@aero-vision.net

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°C to $+40^\circ\text{C}$ operational outside air temperature



IP 55 protection and CE certification





MULTIROTOR
FOR SPECIAL OPERATIONS
www.aero-vision.net
office@aero-vision.net

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

