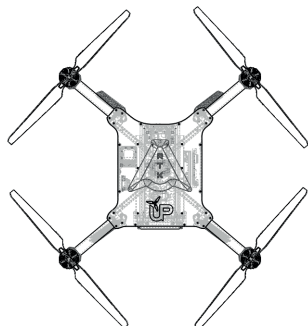


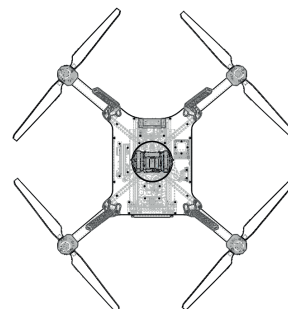
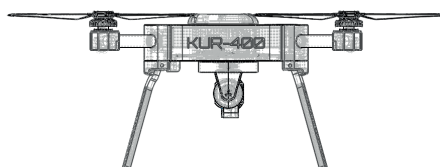
KUR-400

TECHNICAL DATA



Unmanned Aerial Vehicle

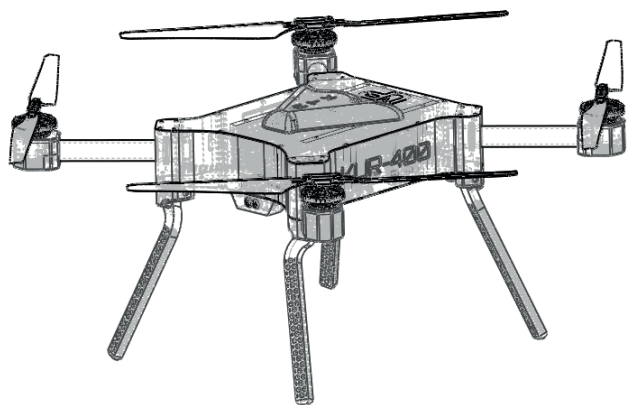
Rotary wing, 4 rotors



Mass (kg)	Motors	Batteries
Maximum TakeOff Mass (MTOM) 4	Type Brushless DC	Battery type Lithium polymer 6 cells
Maximum payload mass 1	KV 380	Nominal voltage 22.2 V
Frame mass (no batteries) 1.8	Radio Control, telemetry and Ground Control Station	Nominal energy 9.000 mAh
Batteries mass 1.2	Model Herelink HD	Nominal current 25 C (225 A)
Empty takeoff mass (no payload) 3	Screen 15.46 in 1080p capacitive touch screen	Mass 1.2 kg
Transport case mass 3	Frequency band 2,4 GHz ISM	Propellers
Dimensions (mm)	Range CE 12 km, FCC 20 km	Blades number 2
Diagonal wheelbase 600	Telemetry and GCS protocol MAVLink	Material Polished carbon fiber
Maximum dimensions (no propellers) 470 x 470 x 275	Connectivity micro USB, Bluetooth / WIFI / GPS / 2.4G	Diameter 15.2 in
Maximum dimensions (with propellers) 800 x 800 x 275	Battery Built-in 4950 mAh LiPo	Pitch 5 in fixed
Transport case dimensions 350 x 250 x 490		

KUR-400

TECHNICAL DATA

On-board sensors	Performance	Payload	
<p>FCU Pixhawk 2.1 The Cube Orange</p>	<p>Maximum horizontal speed 20 m/s</p>	<p>Mass 1000 g (max)</p>	
<p>IMU Redundant triple IMU unit, temperature controlled and vibration isolated</p>	<p>Minimal ratio: (Max Thrust)/(Max Weight) 2.23</p>	<p>Type</p> <ul style="list-style-type: none"> • Optical sensors • Thermal sensors • Multispectral sensors • Active/Passive payloads • Other kinds 	
	<p>Maximum ratio: (Max Thrust)/(Min Weight) 2.97</p>		
<p>GNSS u-blox ZED-F9P, RTK up to 20 Hz GPS L1C/A L2C, GLONASS L1OF L2OF Galileo E1B/C E5B, BeiDou B1I B2I QZSS L1C/A L1S L2C, SBAS L1C/A</p>	<p>Flight Time 34 min. (no payload) 27 min. (0.5 kg payload) 24 min. (1 kg payload)</p>		<p>Video Downlink Double video stream 1080p 30/60 fps</p>
	<p>Obstacle Detection Soon available</p>		<p>Maximum altitude 3000 m ASL</p>
<p>Ground measurement Soon available</p>	<p>Maximum vertical speed Ascent: 8 m/s Descent: 4 m/s</p>	<p>Image delay ≤ 110 ms</p>	
	<p>Maximum lean angle 40°</p>	<p>Other</p>	
<p>Maximum wind resistance 12 m/s</p>	<p>Landing gear Foldable</p>		
	<p>Navigation lights 4 navigation lights</p>		
	<p>Navigation FPV camera 1080p</p>		
	<p>Emergency systems Parachute on demand</p>		
	<p>Optional Soon available</p>		