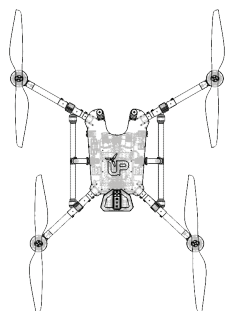


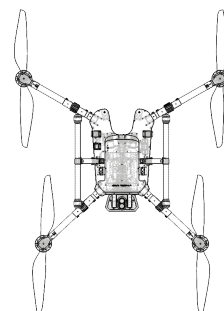
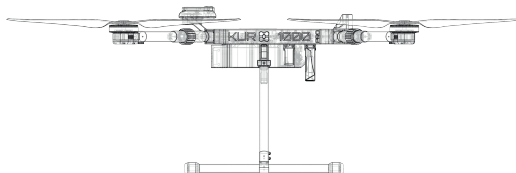
KUR-1000HL

TECHNICAL DATA



Unmanned aerial vehicle


Class type: Rotary wing, 4 rotors



Mass (kg)	Motors	Batteries
Maximum TakeOff Mass (MTOM) 30 (25 version available)	Type Brushless DC	Battery type Lithium polymer 6 cells
Maximum payload mass 13	KV 120	Nominal voltage 22.2 V
Frame mass (no batteries) 9	Radio Control, telemetry and Ground Control Station	
Batteries mass 8	Model Herelink HD	Nominal energy 17.000 mAh x 4
Empty takeoff mass (no payload) 17	Screen 15.46 in 1080p capacitive touch screen	Mass 2 kg x 4
Transport case mass 15	Frequency band 2,4 GHz ISM	Propellers
Dimensions (mm)	Range CE 12 km, FCC 20 km	Blades number 2
Diagonal wheelbase 1250	Telemetry and GCS protocol MAVLink	Material Polished carbon fiber
Maximum dimensions (no propellers) 1000 x 900 x 530	Connectivity micro USB, Bluetooth / WIFI / GPS / 2.4G	Diameter 29 in
Maximum dimensions (with propellers) 1750 x 1600 x 530	Battery Built-in 4950 mAh LiPo	Pitch 9.5 in fixed
Transport case dimensions 800 x 630 x 390		

KUR-1000HL

TECHNICAL DATA

On-board sensors	Performance	Payload
<p>FCU Pixhawk 2.1 The Cube Orange - Blue</p>	<p>Maximum horizontal speed 20 m/s</p>	<p>Mass 13 kg (max)</p>
<p>IMU Redundant triple IMU unit, temperature controlled and vibration isolated</p>	<p>Minimal ratio: (Max Thrust)/(Max Weight) 2,2</p>	<p>Type</p> <ul style="list-style-type: none"> • Optical sensors • Thermal sensors • Multispectral sensors • Active/Passive payloads • General good delivery • Other kinds
	<p>Maximum ratio: (Max Thrust)/(Min Weight) 3,9</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 45 min. (no payload) 32 min. (5 kg payload) 21 min. (13 kg payload)</p>	
<p>Obstacle Detection TOF sensors up to 60 m in 5 directions: left, right, up, front rear</p>	<p>Maximum altitude 3000 m ASL</p>	<p>Video transmission range CE 12 km, FCC 20 km</p>
	<p>Maximum vertical speed Ascent: 5 m/s Descent: 2.5 m/s</p>	<p>Image delay ≤ 110 ms</p>
<p>Ground measurement Laser/radar altimeter up to 120 m downward facing</p>	<p>Maximum lean angle 30°</p>	<p>Other</p>
	<p>Maximum wind resistance 12 m/s</p>	
		<p>Navigation lights 4 navigation lights</p>
		<p>Navigation FPV camera 1080p, tilt +70°/-80°</p>
		<p>Emergency systems Independent Flight Termination System (FTS)</p>
		<p>Optional Frontal propeller guards</p>