



Educational Drone

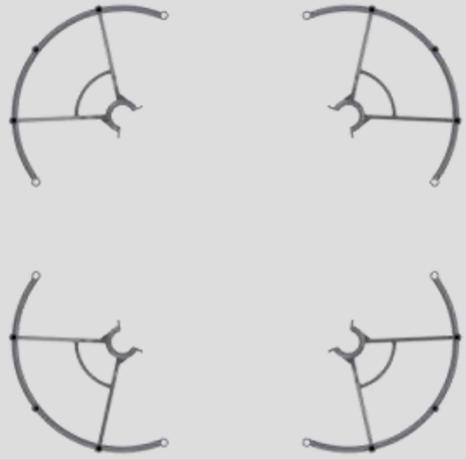
Eagle

CODE • CONNECT • CREATE

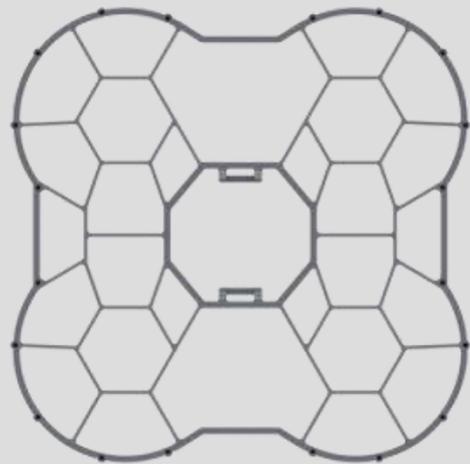


Basic-set Components

Semi-closed safety cover x1



Fully-closed safety cover x1



Propellers x4



Battery x1



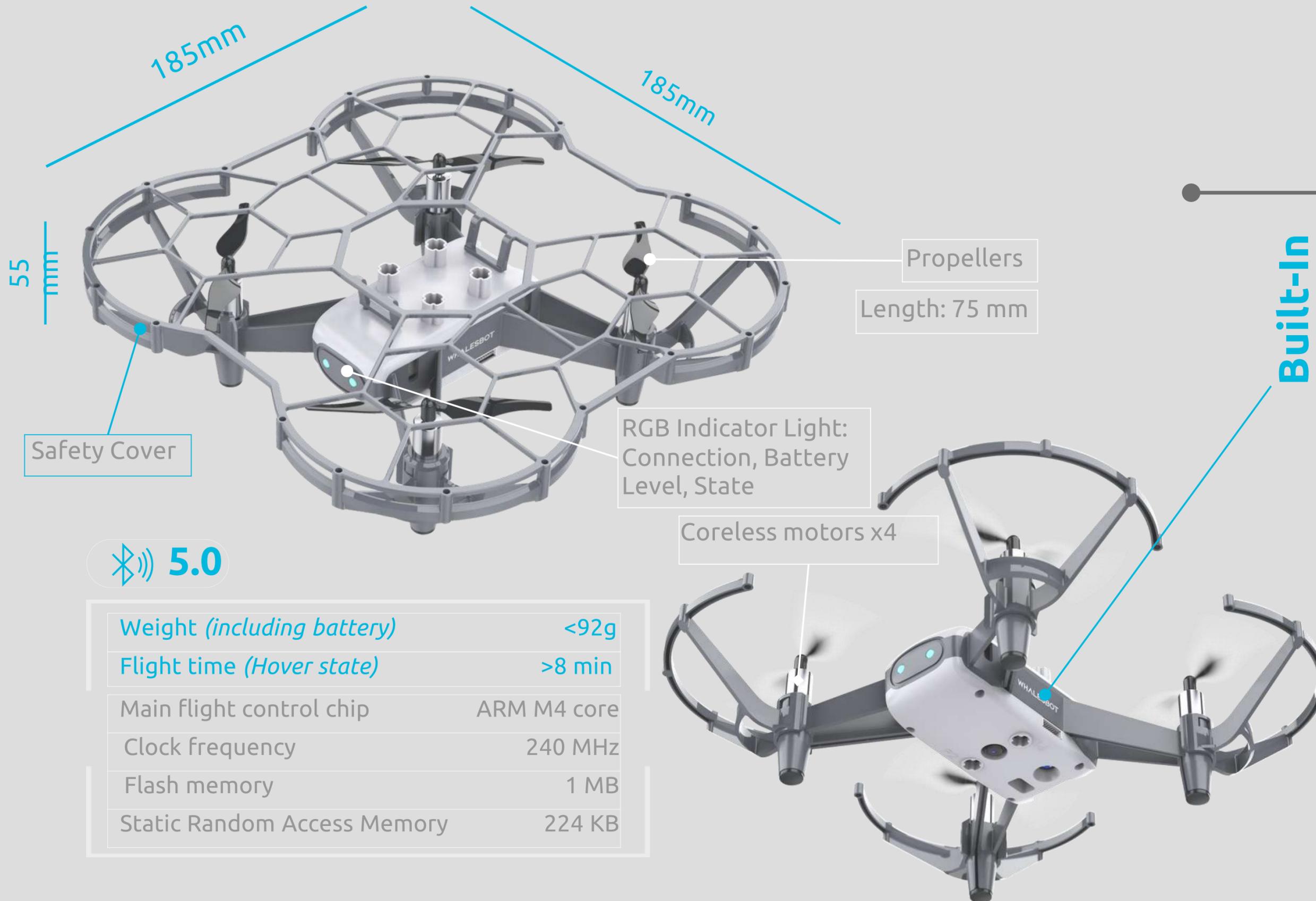
Drone x1



Joystick



Drone Blueprint



Built-In

Optical flow sensor	x1
Laser range sensor	x1
6-axis gyroscope	x1
Barometric pressure sensor	x1
AI vision sensor	x1

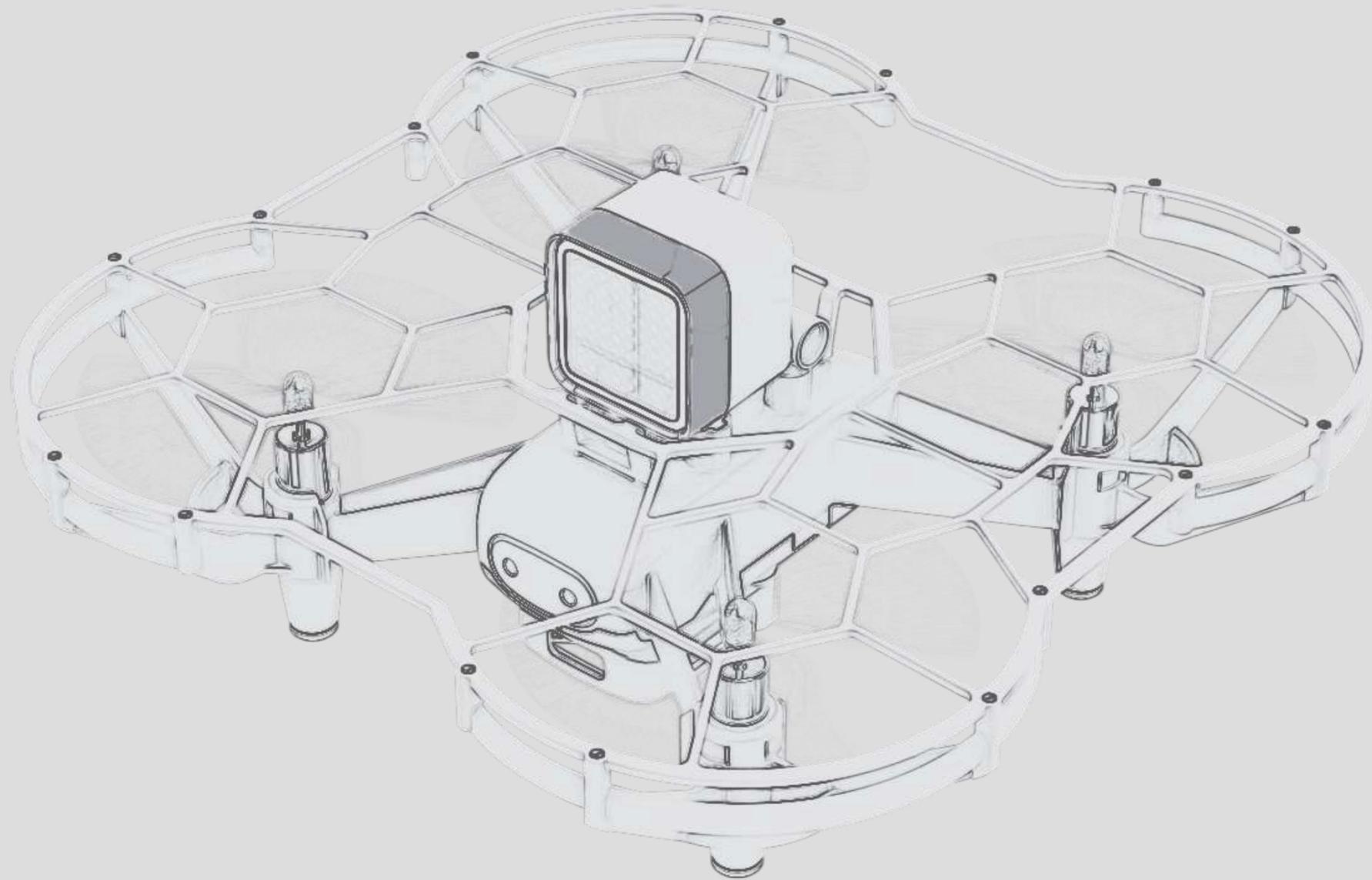
Features of the Bidirectional I/O Interface with Reusability

Serial ports	x2
I2C ports	x2
Digital output ports	x2
Analog input ports	x2
PWM servo motor port	x2
5V power supply ports	x2

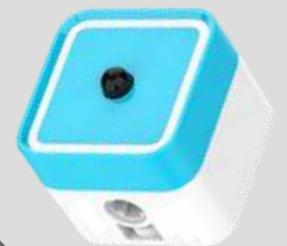
Bluetooth 5.0

Weight (including battery)	<92g
Flight time (Hover state)	>8 min
Main flight control chip	ARM M4 core
Clock frequency	240 MHz
Flash memory	1 MB
Static Random Access Memory	224 KB

Sensors



Temperature & Humidity Sensor



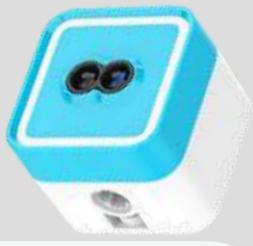
Flame Sensor



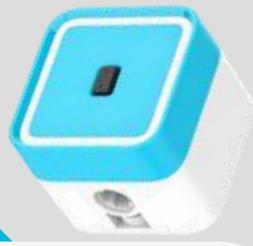
Human Infrared Sensor



Laser Range finder



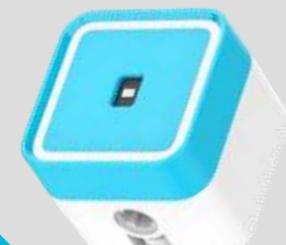
Infrared Obstacle Avoidance Sensor



Gesture Control Sensor



Ultrasonic Sensor



Ambient Light Sensor

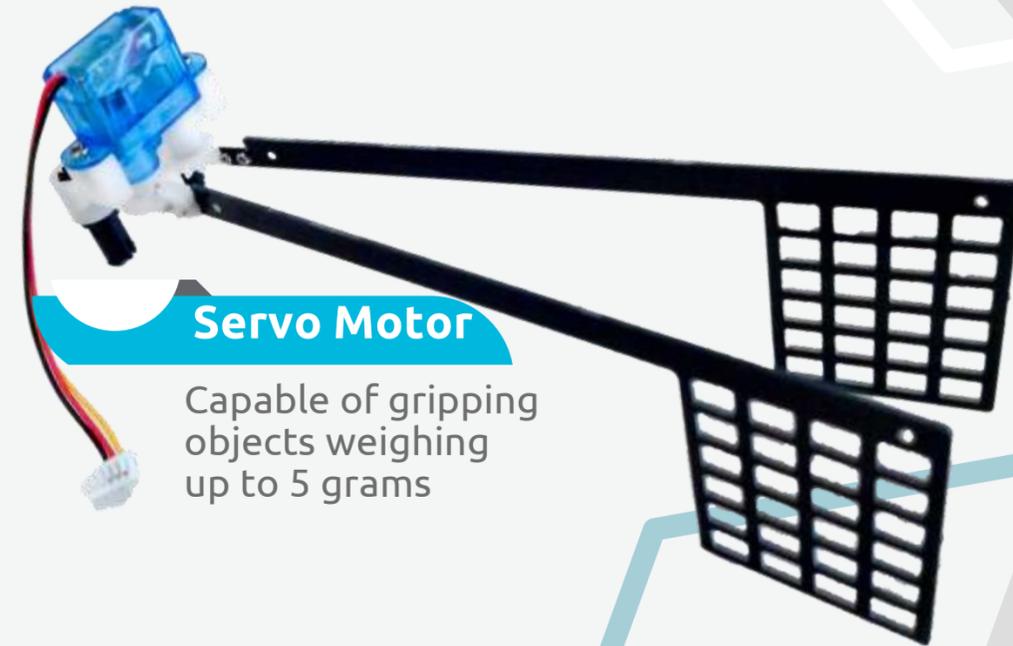
Connectable Actuators



RGB LED



LED Matrix



Servo Motor

Capable of gripping objects weighing up to 5 grams



Swarm Module



Digital Display

To show sensor data

Joystick & Battery



Connection	Bluetooth 5.0
Control Stick	Up/Down, Rotate, Forward/Backward, Left/Right
Power Switch	x1
Bluetooth Pairing Button	x1
Function Buttons	x16

Lithium Battery	1 Pc
Battery Voltage	3.8 V
Battery Capacity	1100 mAh
Connection	Type C
USB	

