# LiteBee Wing

LiteBee

# Brief

- LiteBee Wing is a drone specially designed for STEAM education.

- It's programable for code learning and extendable for inspiring creativity.

Take off

Wait 1 Secs

# **Appearance**

**Materials**

ABS+PC

**Color**

White and Grey

**Size**

210mmX180mmX50mm

**Weight**

128g

# Diagram



Camera

Battery

Propeller

Motor

Engine arm

Optical flow camera

Propeller guard

Base

Fuselage
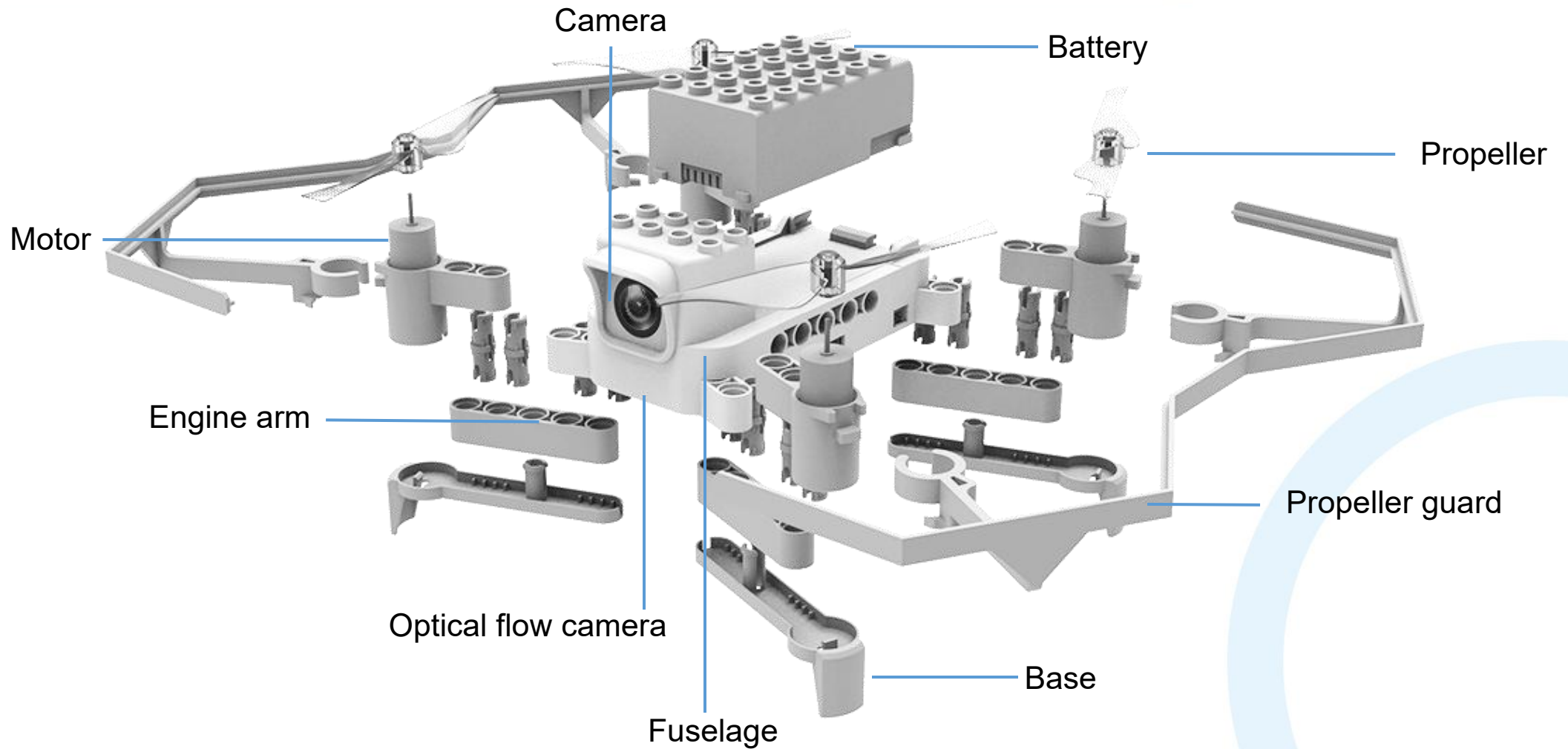
# Flight Performance

**Wheelbase**
148mm

**Flight Time**
10mins

**Control Distance**
100m

**Motor**
1020 brushed motor

**Environment**
indoor

# ■ Specification

| Wheelbase: | 148mm | Airscrew: | 76mm twin blades |
|---|---|---|---|
| Size: | 210mmX180mmX50mm | Charger: | Input:DC5V, Output: DC 8.4V/1.5A |
| Weight: | 128g | Charging Time: | About 1H |
| Flight Time: | 10mins | Application: | LitebeeGo |
| Battery: | 600mAh/2S/7.4V | Control Distance: | 100m |
| Motor: | 1020 brushed motor | Program Software: | LitebeeGo |

# ■ Packing list



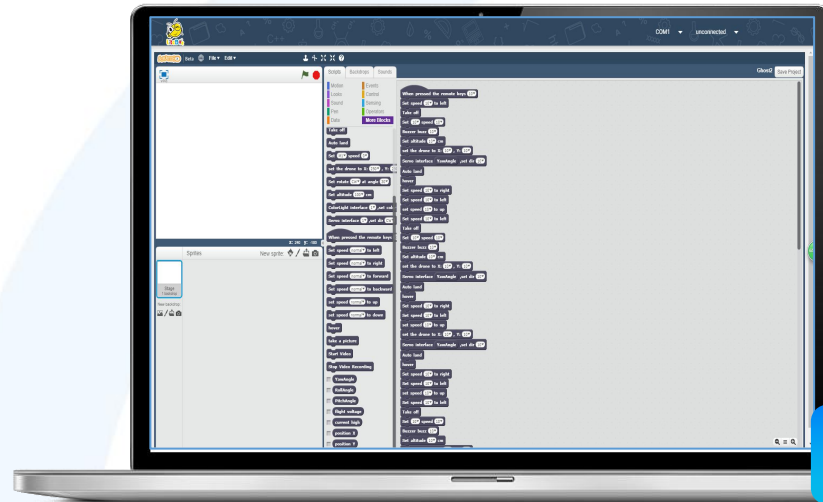Packing Box

Drone

Charger

Battery

Controller

Product Instruction

# Ways of control



Controller

Code

Mobile App

# ■ Have fun

It could be a cool toy to enjoy spare time

# Learn to code

Also could be an enjoyable tool for the student to learn to code, and prepare them for the digital future

# 3D Flight Preview 3D

Before you start to fly the formation, you can preview what your code would turn out.
That could help to check your code, whether they work or not.

# LiteBeeGo

It's a programming software developed by Makerfire, that enables you to program by just dragging the code blocks

# Drone swarm

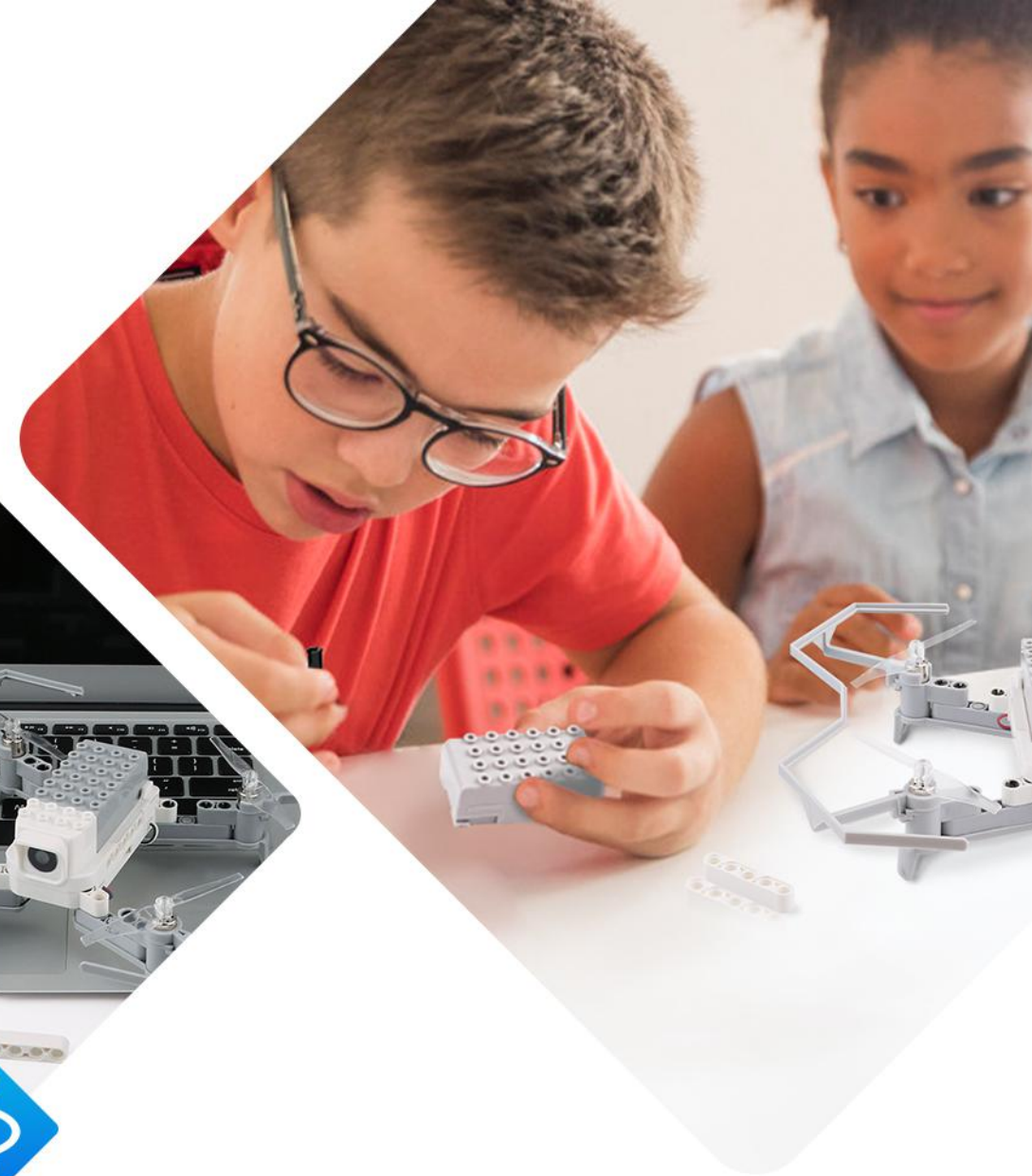You can make an indoor flight formation with LiteBee Wing (maximum: 10 drones), and fly them as the code you wrote
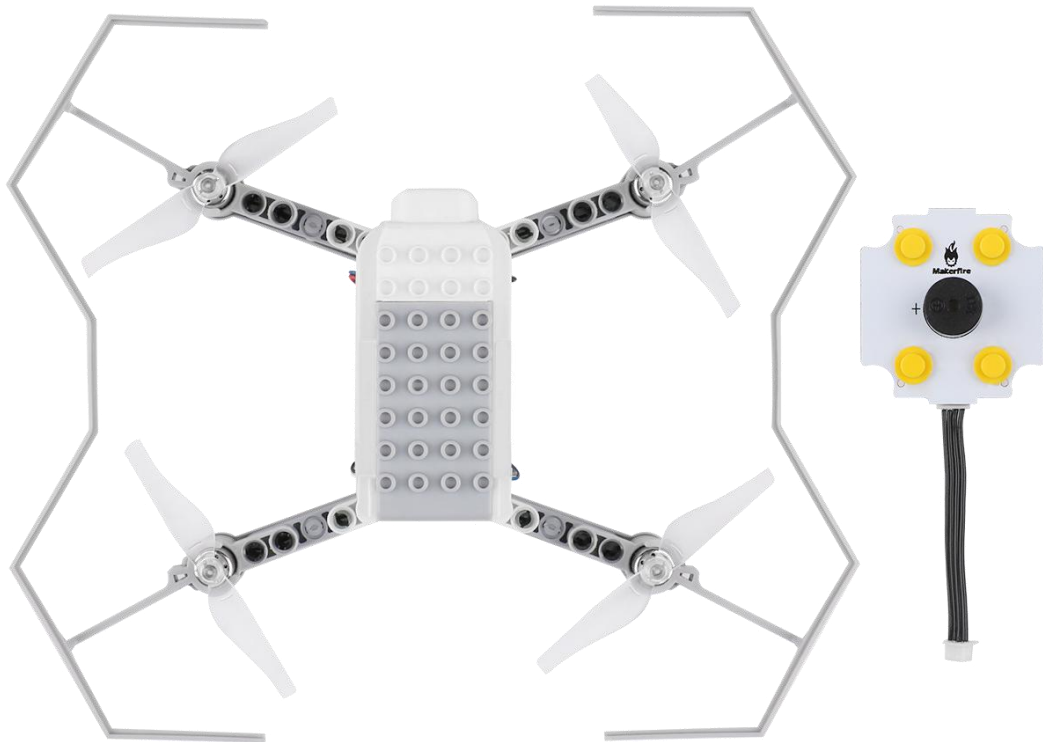
# Recreate with building blocks

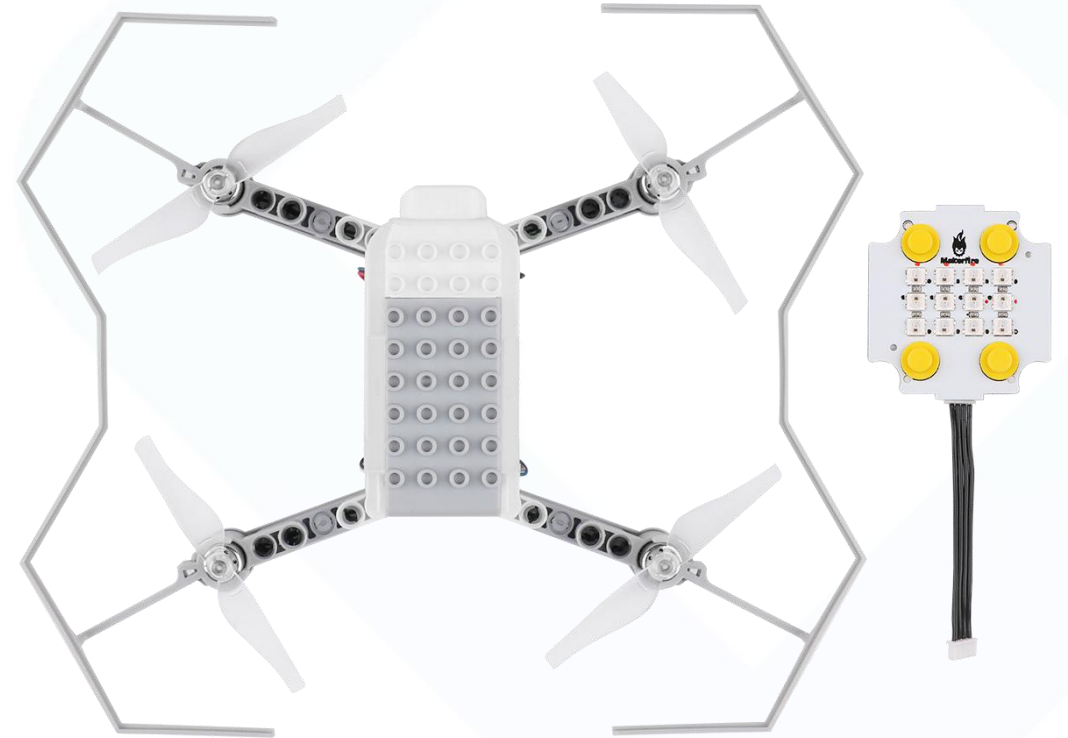LiteBee design the drone's main body with building blocks, which allows you to makea unique drone with extra blocks

# ■ Extensions

The buzzer that you can make a song with

# Age range of application

| | Enlightenment | Beginner | Intermediate | Advanced |
|---|---|---|---|---|
| Grade | Pro-school | Primary school | Middle school | Higher education |
| Age | 5-7 | 7-13 | 13-18 | 18+ |
| Lesson of Coding | Introductory | Entry-level | Intermediate | Advanced |
| Benefit | Enjoyable play, inspire curiosity | Skills of hands-on | Inspire creativity | Prepare for digital future |
| Content | Meet drone, building blocks | Fly the drone, excite interest | Recreate the drone | Develop open-source hardware |

# ■ About Makerfire



Makerfire is a technology-driven company with the business in drones developing, designing, producing, and selling.
In 2016, Makerfire released the first educational drone – LiteBee.
It's the first time to combined STEAM education with the drone successfully.
Up to now, Makerfire has released 4 programmable drones for STEAM education.
With the unique features of programable, composable, extendable, LiteBee gained the leading position in the educational drone.
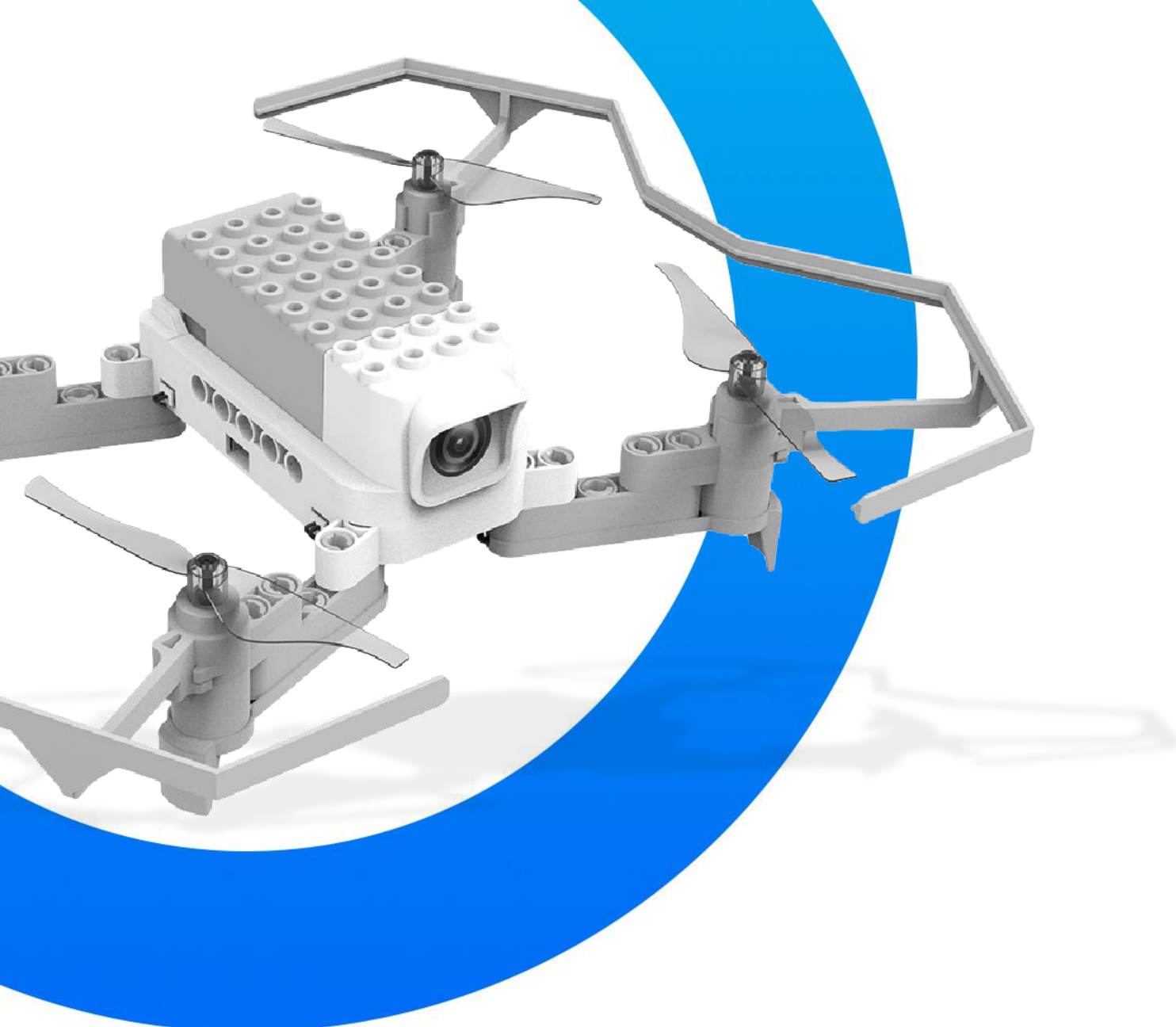
MAKERFIRE

THANK YOU
FOR YOUR TIME