







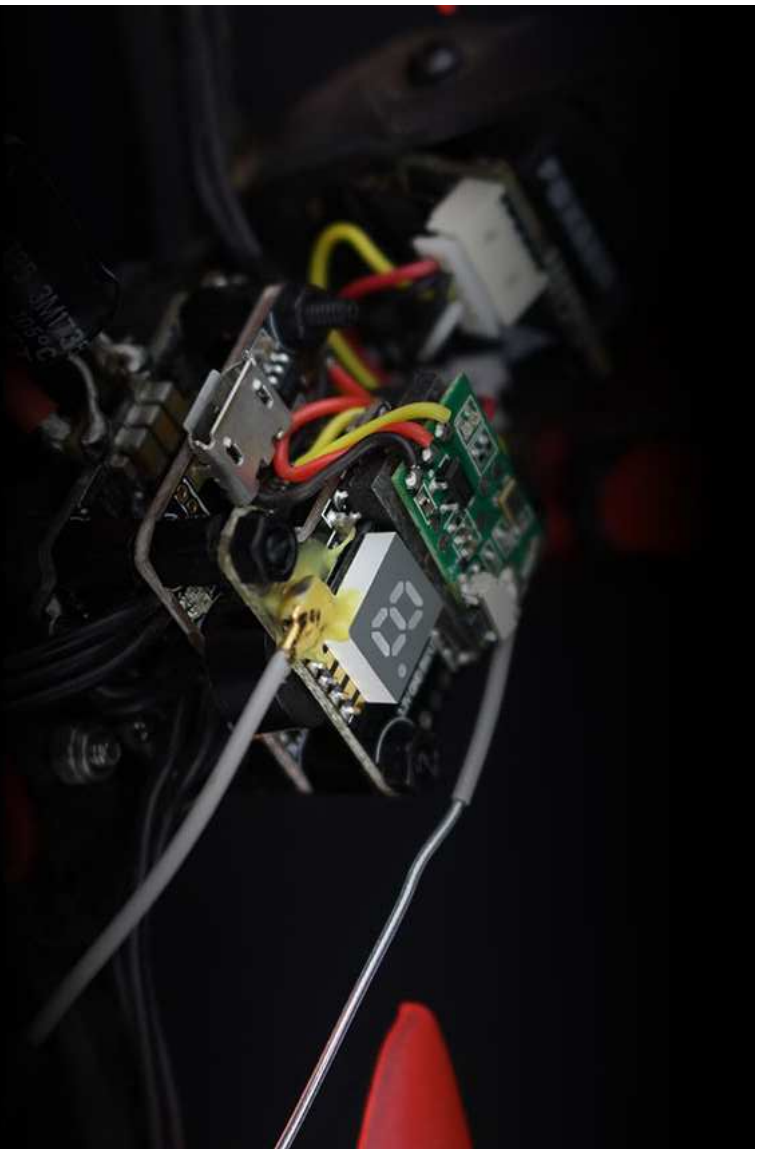


The EMAX logo is located in the top right corner. It consists of the word "EMAX" in a bold, white, sans-serif font. The letter "E" is stylized with three horizontal red lines extending from its left side.A close-up photograph of a black FPV racing drone with four red propellers. The drone is positioned in the upper right quadrant of the image. The background is dark and out of focus, showing other parts of the drone and its components.

FPV RACING EDITION  
MICRO BRUSHLESS DRONE

# BabyHawk R

High Speed power system featuring RS1106 and the Avan Micro,  
accepts 3-4 cell LiPo batteries



FC/ESC AIO - Mini Magnum Tower



Utilizes Micro **CCD** Sensor Camera. Customizable Shell Canopy with adjustable camera positions





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|       | Proportional | Integral | Derivative | RC Rate | SuperRate | MaxVel [deg/s] |
|-------|--------------|----------|------------|---------|-----------|----------------|
| ROLL  | 40           | 40       | 30         | 1.10    | 0.80      | 1078           |
| PITCH | 58           | 50       | 35         | 1.10    | 0.80      | 1078           |
| YAW   | 70           | 45       |            | 1.10    | 0.80      | 1078           |

| Angle/ Horizon | Strength    | Transition |
|----------------|-------------|------------|
| Angle          | 25          | 25         |
| Horizon        | Angle Limit | 75         |

Pre-tuned Betaflight Firmware for optimized flight performance



OSD integrated with Low-Voltage detection



112mm Carbon Fiber Frame





Only weighs **82.8g**

# Product specification

| Version                                    | 2inch Propeller(BNF)                                        | 2inch Propeller(PNP)                                        |
|--------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|
| Propeller                                  | AVAN-MICRO 2 inch                                           | AVAN-MICRO 2 inch                                           |
| Drone weight (W/O battery/props)           | 83.4g                                                       | 82.8g                                                       |
| Diagonal Wheelbase (W/O propeller)         | 112mm                                                       | 112mm                                                       |
| Maximum size of Drone (W/O antenna, cable) | 162mm                                                       | 162mm                                                       |
| Motor                                      | RS1106-6000KV /CW                                           | RS1106-6000KV /CW                                           |
| Camera                                     | Micro CCD camera                                            | Micro CCD camera                                            |
| VTX                                        | 25-200MW adjustable frequency 40CH                          | 25-200MW adjustable frequency 40CH                          |
| Receiver                                   | EMAX Tiny receiver (Compatible with Frsky D8 mode)          |                                                             |
| F3 Magnum                                  | F3 Magnum (OMNIBUS firmware) Bullet 12A (BLHeli_S) 4IN1 ESC | F3 Magnum (OMNIBUS firmware) Bullet 12A (BLHeli_S) 4IN1 ESC |

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