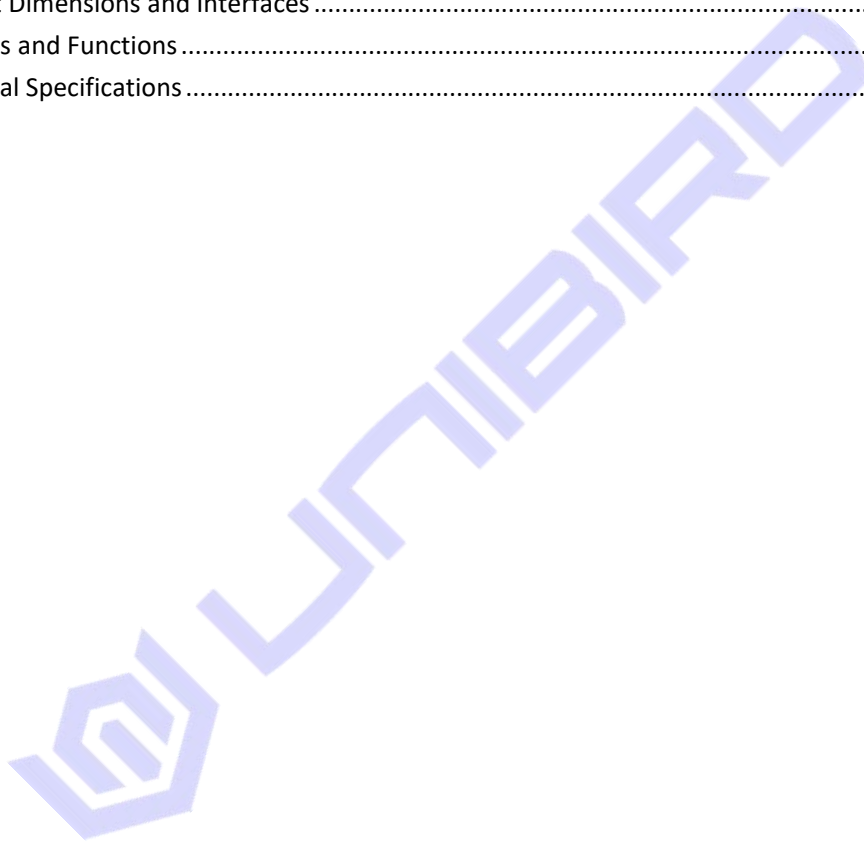


# 3220 65A 4 - in - 1 ESC

## Technical Specification Sheet

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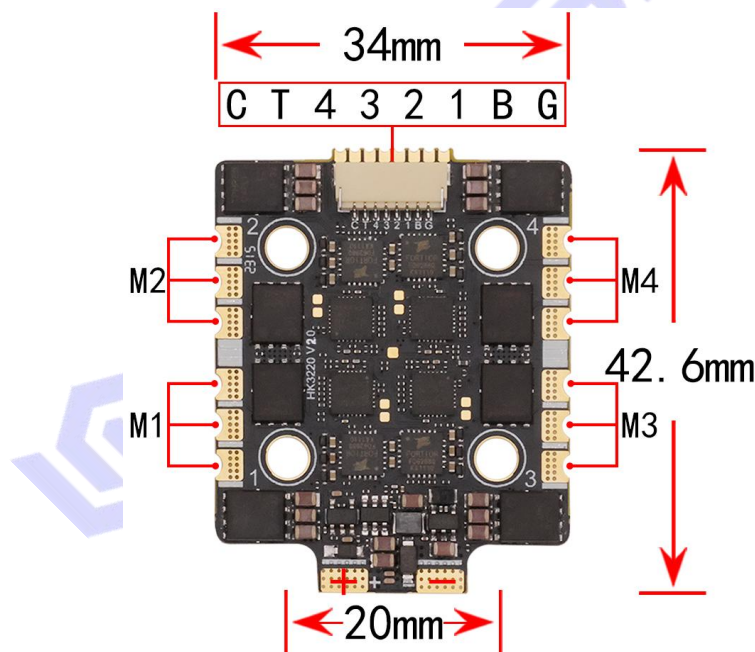
## 1. Overview

It adopts the AT32F421 main control chip with an operating frequency of up to 128MHz. It is equipped with Japanese imported MOS, a 3 - in - 1 IC driver (FD6288Q driver), imported high - quality Murata capacitors, and adopts high - end resin plug - hole PCB production technology and a double - pad design, all using metallized edge wrapping to avoid pad falling off during use; with 2oz copper thickness and 8 - layer board, it greatly reduces heat generation and improves efficiency.

It uses hardware PWM to drive the motor, resulting in low noise and smoother throttle response. The Damped Light technology and regenerative braking function make the motor deceleration more sensitive and effective, and the control more precise; the active freewheeling technology allows the battery to recover power and extend the flight time.

## 2. Product Dimensions and Interfaces

RC 3220 65A 4 - in - 1 ESC Interface Definition Diagram



### 3.Features and Functions

- The PCB adopts a high - end 8 - layer 2oz thickened copper sheet, which has stronger current - carrying capacity and good heat dissipation.
- The MOS uses imported 40V high current - resistant MOS, with long service life and strong load - bearing capacity.
- It adopts an industrial - grade LDO, which is resistant to high temperatures.
- It uses high - quality Japanese Murata capacitors, which have strong filtering performance and resistance to GPS interference.

### 4.Technical Specifications

Parameter	Specification
<b>Dimensions</b>	34×42mm (20mm - 20mm Mounting Hole)
<b>Packaging Dimensions</b>	ø64×64×35mm
<b>Net Product Weight</b>	11g
<b>Packaging Weight</b>	52g
<b>ESC Firmware</b>	HAKRC_AT4G_Multi_32.9 Hex
<b>Protocol Support</b>	PWM, Oneshot125, Oneshot42, Multishot, Dshot150, Dshot300, Dshot600
<b>Input Voltage</b>	2S - 8S Lipo
<b>Current Ratio</b>	90
<b>Continuous Current</b>	65A
<b>Peak Current</b>	70A