



The Pilotix 4in1 BLS 75A 6S is an electronic speed controller designed for FPV applications. This ESC operates with a continuous current rating of 75A and a peak current of 85A, supporting input voltages ranging from 3 to 8S. It features an EFM8BB51F16G microcontroller and runs Blujay firmware, with compatibility for multiple protocols including DShot, Multishot, and PWM. Operating conditions include a temperature range from -20°C to 40°C and a humidity range of 20-95% RH, utilizing passive cooling through natural airflow. Physically, it has dimensions of 44.5 mm by 40.5 mm, weighs 15.8 grams, and includes solder pads for power and motor output connections.

Product details	
Model	4in1 BLS 75A 6S
SKU	5448
Electrical specification	
ESC type	4 in 1
Continuous current	4 x 75 A
Peak current	4 x 85 A
Input voltage	3 - 8S
Capacitor included	1 x 1000 $\mu$ F @ 35 V
Power connector	Solder pads
MCU	
ESC MCU	EFM8BB51F16G
Firmware	Blujay
ESC configurator	ESC Configurator
ESC protocols	DShot150, DShot300, DShot600, Multishot, OneShot, ProShot, PWM
Bi-directional DShot	yes
Interfaces	
Control connector	JST-SH 1.0 mm

Telemetry support	Current, Voltage, Temperature, RPM
Motor output wire	Solder pads
<b>Mechanical specification</b>	
Dimensions	44.5 x 40.5 mm
Mounting	30.5 x 30.5 mm (M3)
Weight	15.8 g
<b>Operating conditions</b>	
Operating temperature	-20 - 40 °C
Storage temperature	-30 - 50 °C
Humidity range	20-95% RH (non-condensing)
Cooling requirements	Passive (natural airflow)
<b>Common</b>	
Package contents	Shock-absorbing balls (4x), Set of cables, Screws (4x), Nuts (4x), Power cord, Solid-state capacitors , Heat shrink tubing
Warranty	2 years

### Wiring diagram

