



The F722 V2 AM32 60A from Pilotix is a flight controller and electronic speed controller (ESC) combination designed for FPV applications. It is powered by the STM32F722 microcontroller, supports Betaflight firmware, and features an analog OSD. This model operates with a 4 in 1 ESC configuration, providing a continuous current rating of 60A and peak current of 70A. It operates within an input voltage range of 3 to 6S, and supports multiple protocols including DShot300 and DShot600, with bi-directional DShot capability. The operating temperature range extends from -20°C to 40°C, while the storage temperature range is from -30°C to 50°C, accommodating a humidity range of 20-95% RH (non-condensing).

Product details	
Model	F722 V2 AM32 60A
SKU	5103
FC MCU	
FC MCU	STM32F722
Firmware target	PILOTIXF722V2
Firmware support	Betaflight
OSD type	Analog OSD
ESC MCU	
Firmware	AM32
ESC configurator	AM32 Configurator
ESC protocols	DShot300, DShot600, PWM
Bi-directional DShot	yes
Electrical specification	
ESC type	4 in 1
Continuous current	4 x 60 A
Peak current	4 x 70 A
BEC	5 V @ 2.5 A, 9 V @ 2.5 A
Input voltage	3 - 6S

Power connector	Solder pads
Sensors	
Gyro	ICM42688-P
Gyro connection	SPI
Accelerometer	Built-in
Barometer	SPL06
Number of gyros	1
Interfaces	
Motor control outputs	8
Motor output wire	Solder pads
Receiver protocol	ELRS, CRSF, SBUS, FrSky, Futaba, TBS Crossfire, DSMX, Flysky
DFU button	yes
I2C port	1
LED strip output	yes
SD card slot	no
UART ports	5
USB port	USB Type C
Video inputs	2
Video input	Analog
Video output	Analog
Buzzer output	yes
Control connector	JST-SH 1.0 mm
Telemetry support	Current, Voltage, Temperature, RPM
Mechanical specification	
FC dimensions	37 x 37 mm
ESC dimensions	44.5 x 41 mm
Stack height	13 mm
Mounting	30.5 x 30.5 mm (M3)
Weight	23.3 g

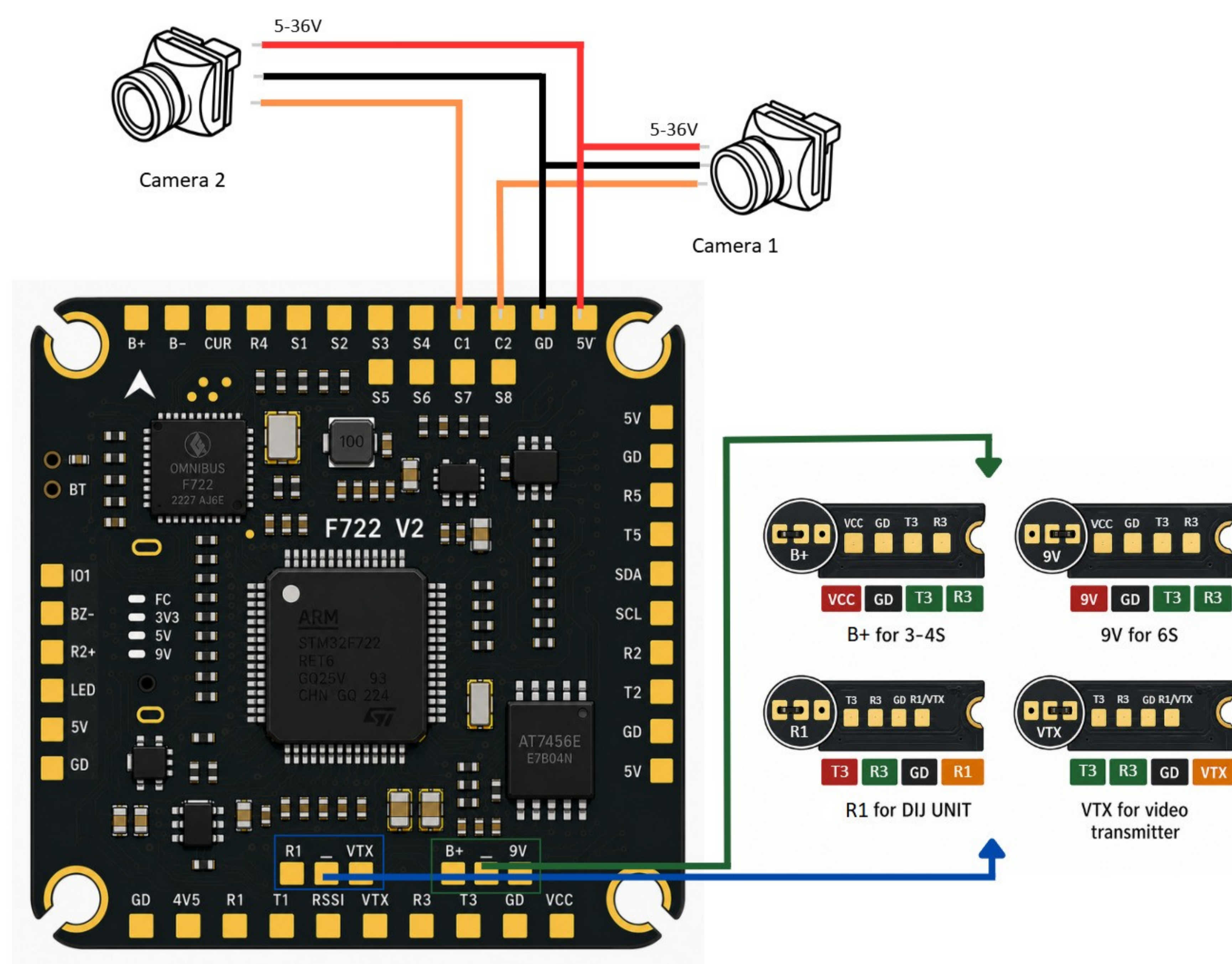
Operating conditions

Cooling requirements	Passive (natural airflow)
Operating temperature	-20 - 40 °C
Storage temperature	-30 - 50 °C
Humidity range	20-95% RH (non-condensing)

Common

Package contents	Shock-absorbing balls (4x), Set of cables, Screws (4x), Nuts (4x), Power cord, Solid-state capacitors , Heat shrink tubing
Warranty	2 years

FC wiring diagram



ESC wiring diagram

