



- **High-Performance Processing:** Powered by STM32F405RGT6 MCU and ICM42688 6-axis gyro.
- **Dual High-Current BEC:** Equipped with 5V/2.5A and 9V/3A power outputs to reliably support digital VTX, cameras, and other peripherals.
- **Plug-and-Play Digital Integration:** Full compatibility with DJI/Vista digital FPV systems and built-in OSD for real-time telemetry overlay.
- **Universal Connectivity:** Features 5 UART ports and supports all major receiver protocols.
- **Advanced Logging & Expansion:** Supports up to 8 motors for various drone types and includes a 16MB Black Box + microSD slot for precise flight tuning.

Product Specification	
Product Name	Stack Pilotix
Model	F405 V3 ICM42688
SKU	5447
Flight controller	
Model	Pilotix F405 V3
MCU	STM32F405RGT6
GYRO	ICM42688
OSD	Support
Blackbox	16MB/microSD
Barometer	SPL06
USB Connector	Type-C
Uarts	5-way optional
Receiver	ELRS/CRSF/SBUS/Frsky/Futaba/Flysky/TBS Crossfire/DSMX
Buzzer	Support
Motor output	8CH
BEC 3.3V	-
BEC 5V	2.5A
BEC 9V	3A
LED	Support
AIR UNIT Port	Support
Camera switching	Support
Input	<u>3-6S</u>
Soft Ware	Betaflight
Mounting	30.5mmx30.5mm
Size	36mmx36mm
Weight	9.6g