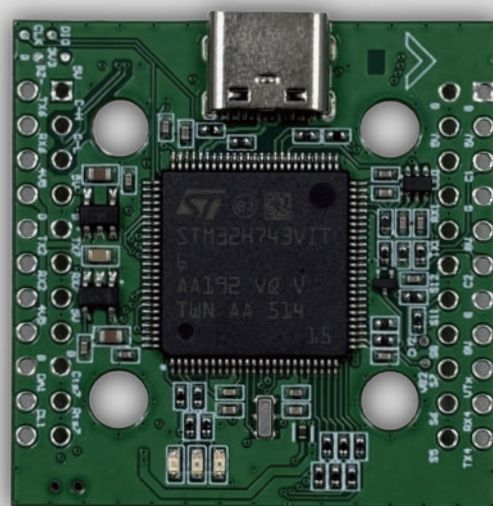
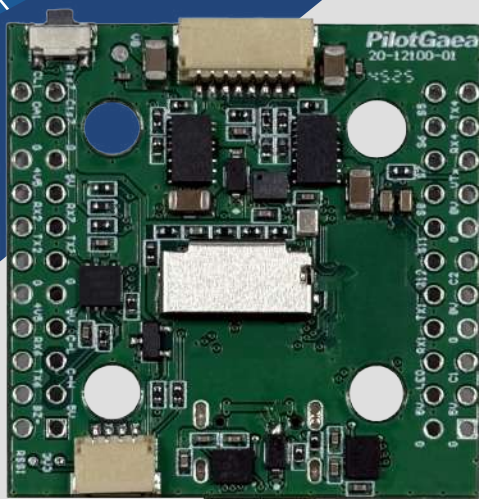


SH7V1

FLIGHT CONTROLLER



Supports open-source flight control
firmware including ArduPilot and PX4
Ensures high-level compatibility and system stability



High-Performance MCU for Extreme Performance

Equipped with a high-performance MCU
optimized for demanding applications
Significantly improves flight stability
and processing capability



High-Frequency Dual IMU Architecture

Unlike most flight controllers
using a single IMU,
our dual IMU design enhances
attitude stability and flight reliability

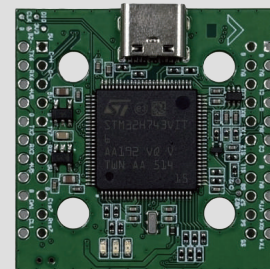


Convenient Type-C Connector

Uses mainstream USB Type-C interface
Improves connection
convenience and compatibility

Technical Specifications

Physical	Dimensions : 36 × 36 × 17 mm Weight : 10.5 g
Power Supply	Input Voltage : 9V~36V DC BEC 1 : 5V / 1.5A BEC 2 : 8V / 1.5A
Core & Storage	MCU : STM32H743, 32-bit Arm® Cortex®-M7 @ 480MHz Memory : Up to 2MB Flash, Up to 1MB RAM Storage : Built-in MicroSD card slot supporting high-bandwidth Dataflash logging
I/O Ports	PWM Outputs : 11 PWM outputs UART : 6 UART ports Communication Interfaces : 1 CAN bus, 1 I2C, 1 USB Type-C Video / Analog Inputs : 1 camera input, 5 ADC inputs, OSD supported
Sensors & Navigation	Motion Tracking : 6-axis inertial navigation system Barometer : High-precision barometer with centimeter-level altitude resolution Compass : Built-in magnetometer for backup safety mechanism GNSS : Dedicated secondary GPS interface



Instructional videos



Designed &
Manufactured

Global Distribution



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