



LM FPV 10

Technical Specifications

- Built on the ReadytoSky Mark4 10" V2 airframe
- Powered by AOS Supernova 3220 motors
- Equipped with an AxisFlying Argus 4-in-1 65A Electronic Speed Controller (ESC)
- 190–200 km/h maximum speed range
- Flight controller is the Matek H743-SLIM-V4
- Processing powered by an STM32H743VIT6 ARM Cortex-M7 (480 MHz)
- Runs on ArduCopter 4.4.4 firmware and utilizes Mission Planner for ground control
- Manual radio control is supported via the RadioMaster XR4 Gemini ExpressLRS receiver
- FPV video transmission is handled by the DJI O4 Pro system
- GPS-based navigation uses the Mateksys M10Q-5883 module
- System interfaces include UART, I2C, CAN-BUS, RCIN, and SBUS

Advantages

- Up to 20 minutes of flight endurance with a payload
- 1.7 kg payload lifting capability
- Maximum takeoff weight does not exceed 8 kg
- Operational in wind conditions up to 20 m/s
- Supports autonomous flight modes including Stabilize, AltHold, Loiter, RTL, and Autotune
- Supports telemetry communication between 900 MHz and 2.4 GHz
- Flight controller supports CAN-BUS peripheral connections for expandability

Power

- Operates on a 6S LiPo battery