

Redundant Flight Control System

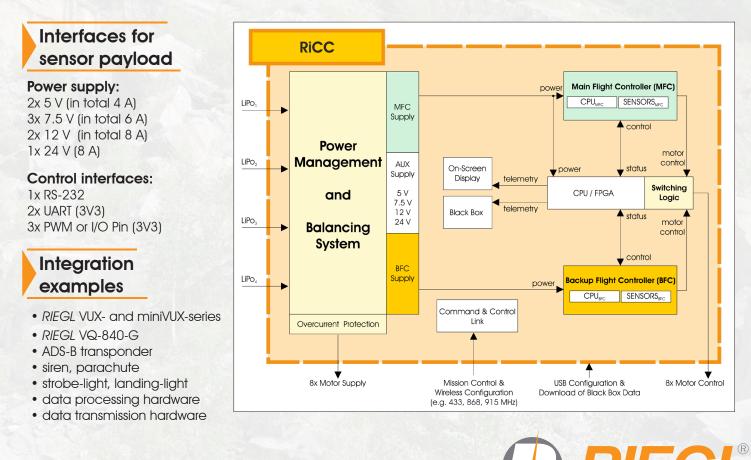
RiCopterControl RiCC developed and produced by RIEGL

The new flight control system RiCopterControl (RiCC) is *RIEGL's* response to highest safety and reliability requirements and features a fully redundant hardware design. RiCC supports a wide variety of power and control interfaces, straightforward sensor payload integration and thus enables high flexibility in system configuration.



Key features

- redundant hardware system design (including flight controller CPU and sensors)¹⁾
- sophisticated power management and battery balancing concept
- outstanding build quality for highest reliability, robustness and lifetime
- temperature-calibrated and damped sensors to optimize operation in harsh environments
- resilient to electrical short circuits, CPU or sensor crash failures, cable breaks, etc.
- rigorous in-flight failure detection, handling, and alarming
- highly customizable and optimized for multi-sensorsystem integrations
- powerful telemetry functions (remote control, on-screen-display, operator software, blackbox)
- standard (433, 868, 915 MHz) or customizable frequencies; MAVLINK-based command and control link 1) partly based on open-hardware project Pixhawk and open-source firmware PX4



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