

FalconDuo

Tiny Dual Visible + LWIR Camera

- Low Cost Dual Camera Solution
- 16MP + 256x192 LWIR Thermal Camera
- Ultra Compact
- Removable M12 lens (visible camera)

Introducing FalconDuo: A High Capability, Low Cost Tiny Dual Camera Solution for Mini UAVs!

FalconDuo is a low cost, rapid integration visible + thermal camera which can be integrated into very small vehicles.

Unleash the power of dual vision with FalconDuo, the compact dual camera redefining aerial surveillance. Measuring just 45x27x13mm, this dual-camera system features a 16-megapixel visible camera delivering real-time HD video (with windowed controllable zoom in some configurations) alongside a tiny cutting-edge and high quality 256x192 long-wave infrared thermal imaging camera. FalconDuo ensures unparalleled visibility for the size and price point.

FalconDuo, unlocks a low-cost but high performance visible+thermal imaging solution for the smallest UAVs.

The dual camera is plug and play with our low cost PicoNV video encoder for simultaneous dual-camera display, offering versatile options like configurable dual side-by-side simultaneous video and picture-in-picture modes. FalconDuo enables a new era of dual video in low cost vehicles.

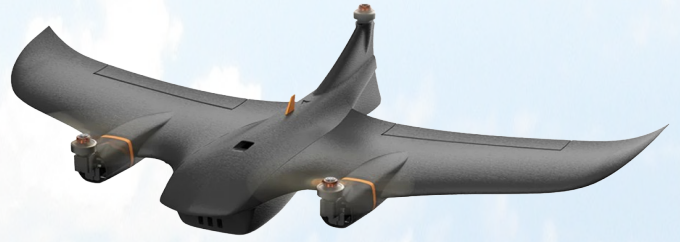
Extend your operations with our optional Picoradio datalink series for long-range video transmission and command and control capabilities.

This imaging solution enables a new generation of inexpensive but capable mini UAVs. FalconDuo makes it an easy choice when considering adding dual visible+ thermal imaging to your vehicle, minimizing cost, size, and weight impact

Easy to use Software

With PicoNV integration, preconfigured software will broadcast RTP video to QGroundControl and Mission Planner, with easy browser interface configurability.

More features and ready to go configurations are on the way. User code can plug into our configuration interface, user code protection is also possible, custom support, processing and display options as well as interfaces are available. If you have custom requirements, get in touch, we are here to help.



FalconDuo actual size



Dimensions: 45x27x13mm enclosure

As configured with PicoNV encoder:

- 1080p or 720p output for visible camera
- High quality large aperture M12 lens
- 16MP Video with windowed zoom
- 16MP snapshot mode (soon)

SPECS

- IMX519 visible camera with MIPI interface
- Low distortion removable M12 visible lens
- 8-14 μm uncooled sensor with NUC shutter
- Radiometric measurement mode possible (future)
- USB 2.0 Interface for thermal camera
- Different thermal camera lens options possible
- NDAA Compliant

APPLICATIONS

- Surveillance
- Custom Payloads
- Robotics
- Camera Gimbals
- POV / Body Worn
- Medical
- Industrial
- Broadcast
- Security
- R&D
- Flight Testing
- Infrastructure
- Sports
- Vehicle
- Scientific
- FPV Addon

INFO

- Product page, manual, pricing, and ordering

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