



vio

VISION UNMATCHED



THE ADVANCED EO/IR PAYLOAD FOR
MAVLINK-BASED DRONE PLATFORMS

VIO

Vio is an advanced lightweight EO/IR payload, featuring a 4K zoom sensor, a 640x512 radiometric thermal camera, and an integrated 2400m laser rangefinder, ready for various industrial applications. The Vio series comes in two versions: VIO F1 and VIO G1.

FACTS & FEATURES

- 4K RESOLUTION ZOOM
- ADVANCED THERMAL CAPABILITY
- LASER RANGEFINDER INTEGRATION
- EO/IR OBJECT TRACKING
- AI DETECTION & AUTO-ZOOM
- GEOTAG, PINPOINT & MORE



QUICK SPECS

Payload Weight	854g/ 1.88 lbs
Payload Dimension (DxWxH)	173mm x 148mm x 159mm
EO camera	Powered by Sony Block 4K Camera
IR camera	Vio F1: Powered by FLIR Boson 640R Vio G1: Powered by Thermal Core 640R Thermal Sensitivity ≤50 mK
Laser Rangefinder	Wavelengths: 905 nm Precision: 0.01-0.5 m Laser Safety: Class 1 (IEC 60825-1:2014) Capability: 2 - 2400 m Performance measure: - 10 Hz: 700m (2 - 1200 m) - 1 Hz: 1500m (2 - 2400 m)
Supported Drone Platforms	Pixhawk/CubePilot/Skynode
Payload Control Method	UART/Ethernet SBUS (updating with expansion board)
Supported Controllers	Ground Station/Remote with + QGroundControl App + Gremsy Payload Assistant App

TYPICAL APPLICATIONS

Inspection



Mapping



Surveillance



Public Safety



SCAN TO VIEW MORE!