



ERGLON
GROUP

European Thermal Imaging Solutions

LWIR 320/640 4.9mm

DRONE THERMAL IMAGING



EUROPEAN MANUFACTURING



NDA COMPLIANT



COMPACT & LOW POWER



TECHNICAL SPECIFICATIONS

Features	320 4.9mm	640 4.9mm
Detector Type	320 × 240 12μm	640 × 480 12μm
FoV [H × V]	44.9° (H) × 33.7° (V)	89.8° (H) × 67.4° (V)
Lense	4.9mm	
Memory	32Gb : 4 hours of video	
Package	Single Package with USB3.2/Analog out	
Size	21 × 21 × 30 mm (0.8 × 0.8 × 1.18 in)	
Weight	30 grams	

KEY FEATURES

- 12μm thermal detector, NETD < 20mK
- Fast 60 Hz imaging
- 1x, 2x, 4x, 8x Digital zoom
- Adjustable color palettes
- Full on-board overlay
- Built-in shutter with FFC
- LWIR 8 μm – 14 μm Spectral Range
- Picture-in-Picture mode
- Built-in EMMC storage (32 GB)
- Standby mode
- Analog or USB video out
- Onboard image capture
- REC Onboard video recording
- External power supply compatibility
- Waterproof & shockproof
- 2-year warranty

DETECTION RANGES*

Model	Focal mm	Human Detection m	Vehicle Detection m	Human Recognition m	Vehicle Recognition m	Human Identification m	Vehicle Identification m
LWIR 320-4.9	4.9	210	510	50	130	30	60
LWIR 640-4.9	4.9	210	510	50	130	30	60

*Detection range may vary depending on target size, environmental conditions and system configuration.

OVERVIEW

The TruVision Drone Thermal Camera combines advanced thermal imaging, built-in AI, and a rugged MIL-style design in a compact, lightweight package optimized for unmanned platforms.

Featuring a 12 μm, sub-20 mK thermal detector with high-performance 640 × 480 or 320 × 240 sensors, it delivers exceptional image quality and reliable target detection.

Integrated 32 GB onboard memory provides up to 4–6 hours of continuous field recording. Its durable construction is ideal for drones and intelligent surveillance systems requiring minimal operator intervention.

Built-in video recording, wide power input, advanced overlays, configurable color palettes, and USB Type-C and analog video interfaces provide exceptional integration flexibility, making the TruVision Drone LWIR Camera one of the most versatile and lightweight thermal imaging solutions in the TruVision UAV product family.

IDEAL FOR



UAVs /
Drones



Surveillance
& Security



Perimeter
Monitoring



Thermal
Scopes



Robotics



Search &
Rescue

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