

Lahoux Buzzard

Thermal clip-on for drones



Lahoux Optics

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The Lahoux Buzzard is a thermal imaging clip-on designed for a C1 class drone. Applications are wide ranging, for instance security & surveillance, anti-poaching, agricultural use, nature conservation, rescuing baby deer and birds before mowing, industrial inspection amongst others.

Video transmitter can handle from 25 to 800 mW which gives an operation range of 500 to 3000 meters, depending on local laws (EU: 25 mW). The Lahoux Buzzard has a maximum control range of about 1000 Meters.

The thermal imaging is performed with 320×256 resolution. The search area is 13.3 x 10.3 meters at 30 meters altitude.

DRI (detection/recognition/identification):

Vehicle (4.00 × 1.75 m) – 1338/337/167 meters

Human (1.75 × 0.75 m) – 576/145/72 meters

Baby deer (0.5 × 0.5 m) – 253/63/32 meters

Features

- Lightweight composite carbon fiber construction;
- Easy to attach to and remove from various drones;
- Video transmission via market leading hardware;
- On-board video recorder with which, after returning, the video image can be viewed in the highest quality after possible transmission loss;
- Thermal image is transmitted to an LCD monitor on a tripod.

Technical specifications

	Lahoux Buzzard
Detection distance	Vehicle: 1338 m Human: 576 m Baby deer: 253 m
Battery runtime (wifi switched off)	1 hour
Field of view	23.4° × 19.2°
Field of view at 30 m altitude	13.3 × 10.4 m
Detector	
Resolution	320×256
Pixel pitch	12 μm
Optics	
Relative aperture	F/1.0
Operational parameters	
Battery type	Rechargeable 9V LiPo battery
Dimensions (l×w×h)	80×52×58 mm
Weight	120 g

All information in this document is subject to constant change. Lahoux devices are continuously improved to ensure the best possible user experience.

