



Name: Wiris Pro Thermal Camera

Year of Purchase: 2025

Description:

The Workswell WIRIS Pro is a state-of-the-art thermal imaging system designed for UAVs and professional applications. It combines a high-resolution thermal camera with a Full HD visual camera, 10x optical zoom, and WIRIS OS for real-time control and data streaming during flight. Its compact, lightweight design with multiple control interfaces makes it suitable for industrial inspections, research, and mapping tasks.

Specifications:

10x Optical Antivibration zoom	Full HD 10x optical zoom camera with anti-vibration compensation
Thermal camera specification	
IR camera resolution	640 x 512 pixels
IR Super Resolution Mode	1 266 x 1 010 pixels (improvement of native resolution up to 1.3 Mpx)
FPA active sensor size	1.088 x 0.8705 cm
Temperature ranges	-25 °C to +150 °C (-13 °F to 302 °F) -40 °C °C to +550 °C (-40 °F to 1 022 °F) optional temperature range +50 – 1 000 °C (122 °F to 1 832 °F) optional temperature range +400 – 1 500 °C (752 °F to 2 732 °F)
Temperature sensitivity	Standard 0.05 °C (50 mK) or optional 0.03 °C (30 mK)
Accuracy	±2 % or ±2 °C (in temperature range -10 °C to +150°C and 0 °C to +550°C, after stabilization, climate chamber and black body testing for all products)
Frame rate	30 Hz or < 9 Hz
Spectral range / detector	7.5 – 13.5 µm / Uncooled VOx microbolometer
Calibration of each lens	Package includes a calibration certificate
Available lenses	18°, 32°, 45°, 69° (exchangeable lenses, all calibrated), visit FOV calculator
Protective filter on lens	Filter protects the lens against external damage during the flight
IR Digital zoom	1 – 12x continuous