



HURLEYIR FALCON SPECTRAL II CAMERA

Bell 407, HurleyIR Falcon Spectral II Thermal Imaging System



The Falcon Spectral II EO/IR aerial gimbal by HurleyIR was designed to fill a need customers have been requesting for years - a rugged, lightweight, high-technology EO/IR camera with a low price range. The Falcon Spectral II fully gyro-stabilized EO/IR gimbal provides the means to put more eyes in the sky for less money. The system was designed for battle, used extensively in harsh environments, and is the most rugged aerial gimbal available on the market. The camera has Target Outline Mode (TOM), a tracking feature not available on other cameras.



Target Outline Mode (TOM) is a high end video analytic with feature extraction that outlines the object that is different than its surroundings as it relates to IR emissivity and reflections differences in the scene.

The Falcon's secret is that there is no internal cooler and the hybrid sensors don't require routine maintenance, providing years of service with little or no down time. Almost all gimbal cameras on the market require factory scheduled maintenance every year. This includes removing the camera from the aircraft, sending it back to the manufacturer and waiting weeks or months for the camera to be returned. The HurleyIR Falcon does not require any routine maintenance other than minor cleaning. With this advantage, the Falcon II will cost up to \$100,000 less than other cameras over the lifetime of the product, and it has a lower initial purchase point as well.

The camera has a simple, intuitive controller. Unlike competitor camera controllers that are more complex and have extensive menu systems, the HurleyIR Falcon Spectral II camera controller is easy to operate and use on the first attempt.

Falcon Spectral Series are gyro stabilized multi sensor gimbals designed to work on many platforms and applications. The spectral diversity of its sensors, discrete controls, and automated detection system make it adaptable to many applications.

Some of these applications include:

- Day and night search and rescue
- Situational awareness
- Pursuits and tracking
- Day and night surveillance
- Monitor vast areas for motion
- Forest fire detection and monitoring
- Detect invisible gas leaks
- Locate power line defects