



Aerotec Aerial Infrared Inspection Services

This service is being provided as a joint effort between Aerotec and HotShot Infrared Inspections of Lakewood, Colorado. Aerotec/HotShot uses the FLIR 2000 Infrared Imaging System, which possesses unequaled sophistication and resolution.

Equipment

The FLIR Systems 2000F camera has a thermal resolution of 1/10th degree (F) and a pictorial resolution of 525 lines/frame (560 CCIR) with 352 elements per line (428 CCIR).

TDI detector array, with an IR spectral bandwidth of 8 - 12 microns. It renders an image of an object's thermal emissions in shades of black to white, with white representing the hottest portion of the image. The data is recorded on SVHS videotape.

Personnel

Inspected by certified thermographers are certified Level II per ATSM standards, and have at least 500 hours of power line inspection time.

Observer

A customer's observer to participate in the survey. The observer's knowledge of the transmission system to minimize flight times and provide relevant information to the thermographer. The observer will be asked to identify any issues detected a "backup resource" in the event of a discrepancy in the survey log.