

## Company Description

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**Multispectral Imaging, Inc.** (MII) is developing and commercializing innovative microcantilever based infrared (IR) imaging detectors and arrays under an exclusive license for technology invented and patented by the Oak Ridge National Laboratory (ORNL). The company's corporate office is located in Parsippany, New Jersey with a branch office at Tech2020 in Oak Ridge, Tennessee.

Thermal imaging cameras make the invisible visible simply by enabling us to see the thermal or long-wavelength infrared radiation (LWIR) emitted by all objects, rather than the reflected or emitted visible light. Thermal radiation also has the unique property that it can penetrate smoke, fog and atmospheric haze. Driving in the fog or pouring rain and at night would be considerably safer if you could see clearly. Many lives will be saved when every firefighting department is routinely equipped and can find victims trapped in burning buildings quickly and safely.

The dramatic advantages of infrared imaging are that it uses thermally generated heat to produce images in total darkness or in adverse weather conditions. While these applications are currently available and many other compelling applications are feasible using IR technology, the high cost and complexity of today's IR cameras limit access to IR imaging. Multispectral's vision is based on its development of a unique, proprietary family of proprietary IR detector products. They are expected to enable existing IR market expansion and create new markets due to improved performance, reduced complexity and lower cost.

Multispectral Imaging can achieve these goals due to its leading edge microcantilever detector technology with high responsivities and low noise detection electronics allowing detector sensitivities to approach the limits for IR detection, while all the silicon implementation results in low detector costs.