

## InView Technology Corporation

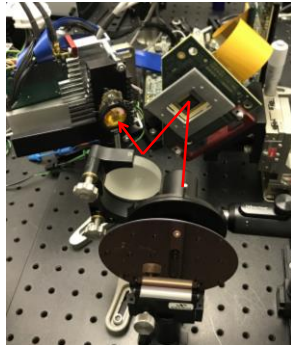
### Methane Leak Detection Using MWIR Compressive Sensing Technology

# Safer • Smarter • Cheaper

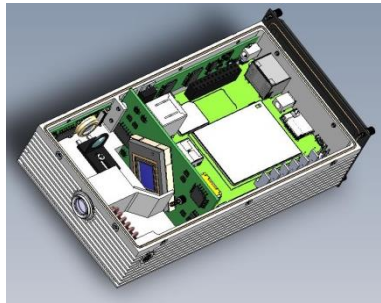
InView demonstrates the advantages of combining new sensor technology with Compressed Domain™ camera architecture for gas sensing applications.

- **Lower Cost:** Patent protected Compressed Domain™ platform allows the use of one photodiode, rather than an expensive focal plane array of pixels, to produce a detailed high-resolution image without the time and expense of developing dense pixel arrays
- **Faster Analytics:** The hybrid opto-computational architecture of compressive sensing facilitates automated detection without processing millions of pixels, eliminating latency associated with transmitting, storing, and analyzing high-volume video data.
- **Better SNR:** Using new extremely narrow-band resonant cavity photodiode technology, images have higher signal-to-noise than pairing a wide band pixel-array camera with a narrowband filter
- **Demonstrated Performance:** Our working prototype images Methane with high-contrast. Its highly tailorable architecture is adaptable to any shortwave or midwave infrared wavelength

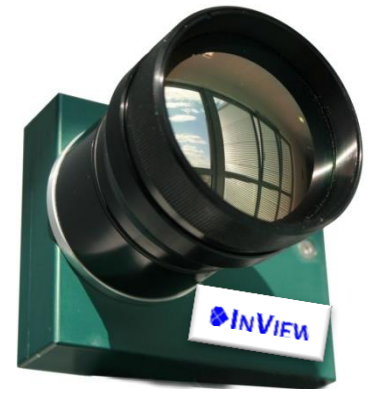
#### MWIR Compressive Camera Development at InView



**Proof of Concept**

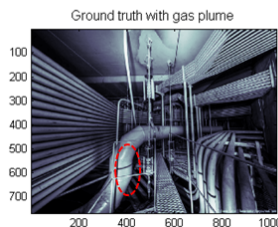


**Prototype**

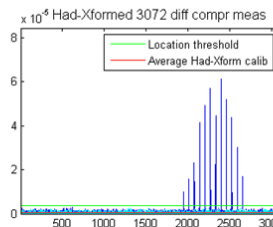
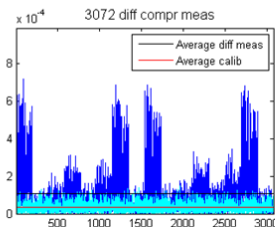


**Product**

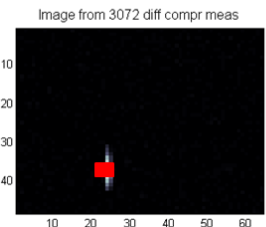
Nearly invisible plume



Detect and Locate in the Compressed Domain™



Isolated Plume in Clutter



**Compressed Domain™ Machine Vision signal processing detects leaks with a fraction of the data  
 Cuts through Clutter and Noise to deliver accurate automated gas detection and leak location**

## InView Technology Corporation

### Global Leader in Revolutionary Compressive Sensing Technology

---

**InView has developed the first commercial compressive sensing-based algorithms and hardware for infrared imaging, image processing and artificial intelligence.**

- ❖ Austin, TX - based, privately-held, Delaware C Corp, founded in 2009
- ❖ Raised \$8.6M Series A/B to commercialize the world's first high-resolution SWIR camera based on Compressive Sensing. Cameras are in stock and available for purchase
- ❖ \$3M in non-dilutive grants for continuous development of new capabilities. Prototype demonstrations now available:

**InView High-Speed Multi-pixel SWIR Camera**

**InView Multi-spectral SWIR Color Camera**

**MWIR Methane Gas Imager**

**Compressed Domain™ Machine Vision Algorithms**

- ❖ 19 issued patents surrounding technology required to build practical, high-volume CS cameras
- ❖ Operational development lab facility in Austin TX with optics, electronics and computational assets and dedicated team

## Work with InView Today

---

*Contracts*

*Grants*

*Strategic partnership*

*Licensing*



**Dr. Lenore McMackin**  
*President/CTO*

- PhD in Optical Engineering from the University of Rochester
- 40 technical publications; 10 patents
- 20 years technical and executive experience at startups
- Awarded \$MM in grants from NSF, DOE, USAF, US Army
- Partnerships with IQT, Raytheon, Lockheed, HRL
- Fellow of the Optical Society (OSA) and OSA Board of Directors

### InView Technology Corporation

2028 E Ben White Blvd., Ste. 240-3737

Austin, TX 78741

[Lenore.McMackin@Inviewcorp.com](mailto:Lenore.McMackin@Inviewcorp.com)

[www.inviewcorp.com](http://www.inviewcorp.com)

512-656-9153