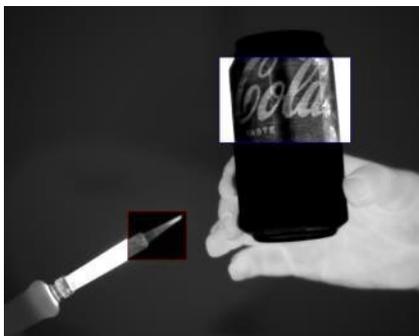


## About Senseeker

Senseeker is a U.S. owned transducer IC and cryogenic test solutions company. We specialize in the design of state-of-the-art digital readout integrated circuits, cryogenic test equipment, electronics and software. Senseeker's products and IP enable FPA developers to produce world class infrared image sensing solutions.

Senseeker's world-class engineering team has developed over 60 mixed-signal System-on-Chip designs for the U.S. Government and almost every leading Focal Plane Array (FPA) developer in the United States. We have established ourselves as a key partner to infrared industry leaders through our ability to offer holistic solutions that include IC, electronics, software, test equipment and support. This enables our customers to develop end-products as quickly and painlessly as possible.



HDR Imaging using Calcium™ RP0033 digital pixel readout IC

## Total Solutions for Infrared Image Sensing

Senseeker's objective is to make it as easy as possible for our customers to produce the best infrared focal plane arrays and cameras. We do this by offering the following products and services:

### Integrated Circuits

- ◆ Custom readout integrated circuits (ROICs)
- ◆ COTS readout integrated circuits

### Electronics

- ◆ CoaxSTACK™ digital sensor electronics
- ◆ Analog Sensor Electronics to support industry standard analog ROICs

### Sensor Test Units

- ◆ COTS LN<sub>2</sub> pour-fill Dewars, closed-cycle cryocooler STUs and thermoelectric cooler STUs
- ◆ Custom sensor test unit design

### Software

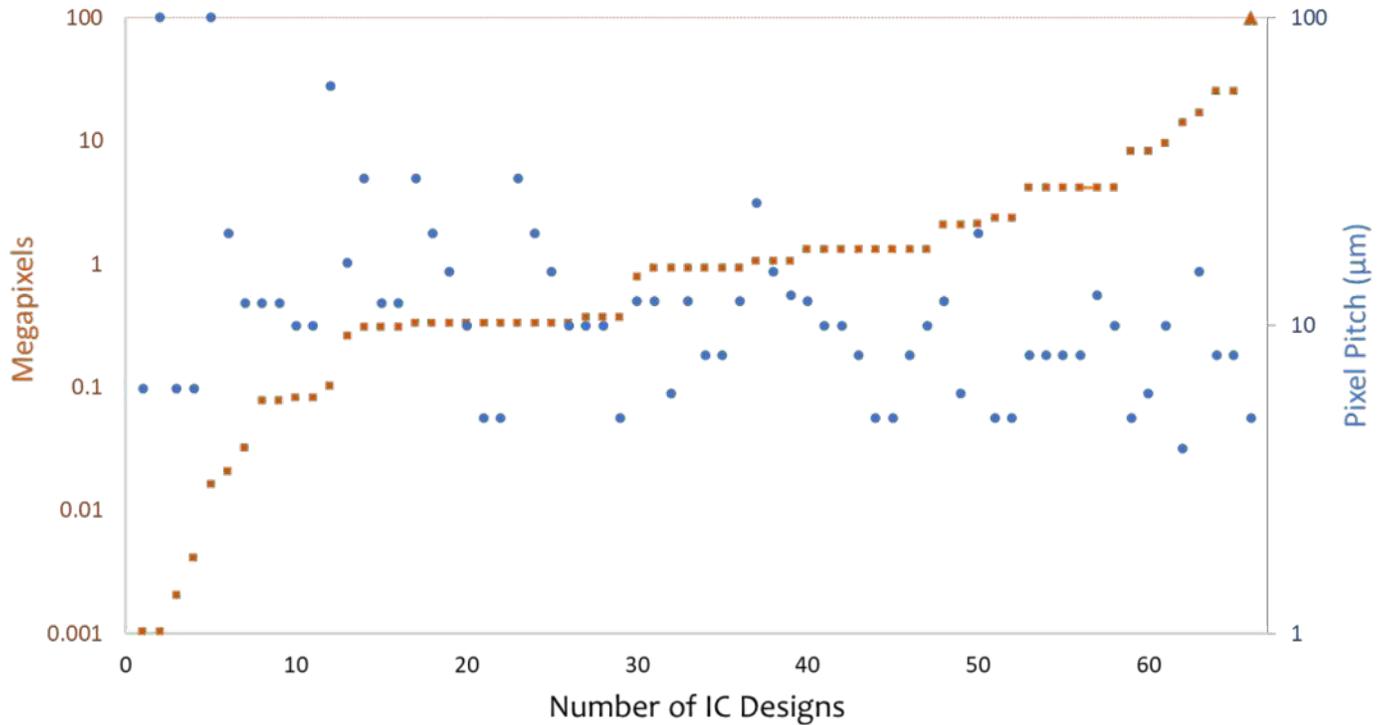
- ◆ CamIRa® imaging software
- ◆ Supports Senseeker digital and industry standard analog readout ICs

### Test Services, Support and Training

- ◆ Readout IC and FPA testing
- ◆ FPA imaging optimization support
- ◆ Training available at Senseeker or customer location

## Senseeker Integrated Circuit Design Heritage

Since 2009, Senseeker has developed almost 70 advanced readout IC designs. These include many of the most advanced digital pixel readout ICs that are used in the industry today. Senseeker first offered COTS readout ICs in 2020 and is building an impressive portfolio that now includes the Oxygen (8  $\mu\text{m}$ ), Neon (10  $\mu\text{m}$ ), Magnesium (12  $\mu\text{m}$ ), Calcium (20  $\mu\text{m}$ ) and Zinc (30  $\mu\text{m}$ ) families, with many more to follow in the future. The points shown on the scatterplot below indicate the range of Senseeker readout IC designs. These designs span a wide range of pixel pitch sizes (shown as blue dots) and array sizes (shown as orange squares).



## Sensor Test Units

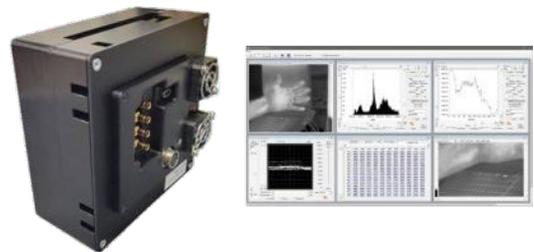
Senseeker offers a full range of sensor test units providing a range of temperature testing from  $<60\text{ K}$  to  $>360\text{ K}$ .



Closed-cycle cryocooler STU (left) and LN<sub>2</sub> pour-fill Dewar (right)

## Electronics and Software

Senseeker provide electronics and imaging software for industry standard legacy analog ROICs as well as the latest cutting-edge digital and digital pixel readout ICs.



CoaxSTACK™ electronics (left) and CamIRa® software (right)

This information is provided as is and Senseeker Corp disclaims all warranties, express or implied, without limitation.