

Long Wave Infrared Sensor

Many Earth observing applications require measurements in the 8 to 14 micron band. This sensor provides long wave infrared sensing in a compact, low-power package. It consumes less than 1 W of power and delivers 8.8 frames of 80 by 60 pixels. Each pixel is 14 bits. Sensor mass is 70 g.

Both terrestrial/short duration CubeSat mission level and space qualified parts are available.

The first test flight in 2020 will demonstrate the sensors ability to perform ground water measurements for agriculture.

