

SENS 1280

HIGH DEFINITION, HIGH SENSITIVITY SWIR



The SenS 1280 is an industry-leading SXVGA resolution short-wave infrared camera core that delivers high sensitivity and low noise imaging for a wide range of specialty applications.

DETAILS

Developed by short-wave infrared specialists, New Imaging Technologies, the SenS 1280 is a versatile VGA resolution InGaAs short-wave infrared (SWIR) camera core with powerful capabilities for a wide variety of applications. Linear (LIN) response mode allows users to have maximum sensitivity in low light situations.

The camera also features powerful gated imaging functionality for niche applications in security, surveillance, counter UAS, 3D mapping and more.

As an authorized reseller of the SenS 1280, Sierra-Olympia Technologies offers superior service and integration support on these highly capable InGaAs specialty cameras across QVGA, VGA, and HD resolutions.

APPLICATIONS

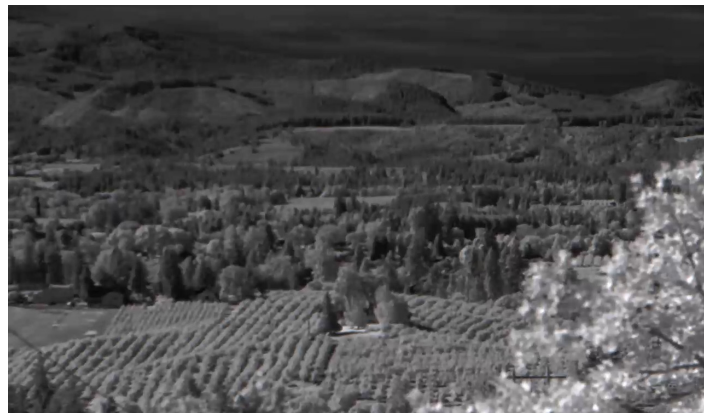
- + Active imaging
- + Laser beam profiling
- + Manufacturing inspection
- + Medical imaging
- + Process control/monitoring
- + Metrology
- + Solar, semiconductor inspection
- + Security, surveillance, defense



- + 1280 x 1024 x 10 μm InGaAs sensor
- + Linear response delivers high sensitivity
- + Readout noise 30 e-
- + Near infrared imaging from 900-1700 nm
- + Bad pixels replacement & non-uniformity correction



Mt. Hood, Oregon





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EXPORT CLASSIFICATION: DUAL USE

FEATURE SPECS

DETECTOR



Detector Type	SWIR InGaAs
Array Format	1280 x 1024
Pixel Pitch	10 Micron
Spectral Response	SWIR (0.9 to 1.7 Micron)
Frame Rate	60 Hz full frame

ENVIRONMENTAL



Size (L x W x H)	58 x 58 x 70 mm
Weight	<400g
Operating Temperature	-40°C to +71°C

SYSTEM



Digital Video Output	USB3.0, CameraLink®
Dual Response	Linear (CTIA) low & high gain

