

# PRESS RELEASE

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**For the Photonics & Vision industry**

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## **Senso Optics unveils the MiniScope X-SEE™ - Uncooled ASIC thermal imaging MonoScope**

### **The lightest and smallest thermal monoscope in the market**

**Yokneam, Israel – July 09, 2014** – Senso Optics, a leader in the design, development and production of innovative thermal imaging technologies, commercial avionics, and advanced electro-optical solutions for military, paramilitary and security markets both in Israel and around the world, introduces the X-SEE™. The X-SEE™ is an advanced new generation of All-Weather Thermal Miniature Mono-Scope, based on Senso-Optics' "Camera-On-Chip" (ASIC) technology, which has been introduced recently. The X-SEE™ feature miniature and light-weight design, superior image quality, and ease of use.

In the past, military and law enforcement agencies used to have night vision goggles on their helmets, which were based on image intensifier tube. Since these devices amplify every single photon which hits the tube, they were sensitive to dazzle. As well as, image intensifier tubes do not enable recognition of figures which hidden behind trees or other objects in full darkness. Thermal imagers are not sensitive to dazzle, and can detect hot bodies, thus enable recognition of figures in full darkness, even if they hide behind rocks or trees. Therefore, today more and more military and law enforcements equipped the soldiers with thermal scopes. Senso – Optics' new X-SEE™ is an advanced thermal imager for the soldier, and is a perfect modern replacement solution for [AN/PVS-14 Night-Vision device](#), with unmatched night D.R.I ranges. The X-SEE™ is designed to be used by the "[Future/Digital Dismounted Soldier](#)" as a Hand-Held or Helmet mounted MiniScope.

X-SEE™ is the lightest and smallest thermal monoscope in the market, with dimensions as small as 105L X 38W X 57H mm. Featuring an Un-cooled bolometer with resolution of 640x480/17micron detector, and best sensitivity (NETD), the X-SEE™ offers superior image quality for day/night/all-Weather operations.

The X-SEE™ has X1 magnification, 31.2º H x 23.4º V Field of View (FOV). The Viewfinder incorporate miniature display (OLED) with resolution of 800 X 600.

Low power consumption enables up to 10 (!) hours of work with only 2 lithium batteries.

"X-SEE™ provides an outstanding image quality within a small Size, light-Weight and low Power (SWAP), with special features and extended operating time and performance system" says Jacob

Dagan, president and CEO of Senso Optics. "Special care was taken for quantities' and life cycle costs (e.g. consume of batteries etc.), Man-Machine interface (GUI), ease of use and handling features."

For more information about the **X-SEE™** please contact [info@sensioptics.com](mailto:info@sensioptics.com) or visit our website at <http://www.senso-optics.com> to learn more about our complete product line.

**About Senso – Optics:**

Senso Optics is a leader in the design, development and production of innovative thermal imaging technologies, commercial avionics, and advanced electro-optical solutions for military, law enforcement and security markets.

Senso Optics offers a wide range of targeting and visual information solutions for day and night missions. Its products can be easily customized and integrated into a variety of systems or operated as stand-alone units. Product lines include: Multi-sensor sights, fire control systems, hand held and vehicle mounted thermal imaging cameras, thermal upgrade kits, CCD cameras, border and strategic infrastructure monitoring solutions; thermal vision helmets for fire fighters and search & rescue units, as well as, thermal sensors and a wide range of thermal lenses.

The company invests extensively in R&D and in advancing product maturity, while maintaining strict QA and environmental policies.

Senso Optics is committed to remaining at the forefront of thermal vision technology and being a leader in visual information and targeting solutions for the defense, commercial and homeland security (HLS) markets.

<http://www.senso-optics.com>

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