

ONYX



SENTRY - ISR Variant

Remote Intelligent ISR Sentry System

ISR Sentry is a multi-functional intelligent ISR sentry platform designed to be a force multiplier. Designed by operators and engineers with decades of experience in the field, Sentry is an unmatched solution for the modern battlefield, providing additional set of eyes and weapon on target when you need it most. Sentry leverages Digital Imaging System (DIS) with ATD/ATR to autonomously scan, detect, classify, track, and report any threat with fast and effective tactical action. It may be deployed in an overwatch or terrain denial position to protect friendly forces in the heat of battle.

ISR Sentry integrates the AI-enabled X360 Pan/Tilt Gimbal with Digital Imaging System (DIS), and is Mobile Adhoc Network (MANET) capable. This intelligent system is fully integrated with ATAK and leverages passive ranging to populate targets into the common operating picture.

[ONYX-IND.COM/SENTRY](https://onyx-ind.com/sentry)

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30X EO PAYLOAD FEATURES

- 720P video from large imager streamed over any connected IP network
- 30x optical zoom for detailed target identification
- Digital and mechanical stabilization for hi-res surveillance feeds
- Onboard processing provides target tracking of various objects, sector scanning and automated selectable alerts
- Real-time geo-location and geo-pointing capability served as COT data to a variety of interfaces

DUAL-LWIR PAYLOAD FEATURES

- Dual FLIR Boson IR cameras provide 640x512 video streamed over any connected IP network
- Digital zoom from 32° to 2° FOV with seamless transition
- Onboard processing provides target tracking of various objects, sector scanning and automated selectable alerts
- Real-time geo-location and geo-pointing capability served as COT data to a variety of interfaces



/ Sensor Quality	IR: 640x512. EO: 720P
/ IR Sensor FOV	32° Wide HFOV Lens 8° Narrow HFOV Lens
/ EO Optical Zoom	30x (2° fully zoomed FOV)
/ Stabilization	X360 mechanical and electronic
/ Weight	Less than 2Kg
/ Power	DC & BA-5590, & various battery options
/ Mounting	Dynamic & Static, Platform Agnostic
/ Dimensions	30" x 10" x 5.5" (76.2 x 25.4 x 14 cm)



Compatible with TAK suite



Tailored to mount on customer-preferred platforms



Secure wireless connection