

# AION-C

Advanced target locator and intelligence system

Features	AION-C
Image fusion Video & image recording See-spot Image stabilization	Thermal and day channels Saved and can be downloaded Day and night see-spot capability Stable observation (day & night)
<b>Thermal Channel</b> Spectral band IR detector resolution Continuous optical zoom WFOV NFOV	MWIR 640x512 pixels X13 36.4° x 29.1° 2.64° x 2.12°
<b>Day Channel</b> Sensor Continuous digital zoom FOV	Color, 18 Megapixels X3.6 NFOV = 2.1° x 1.6° WFOV = 7.3° x 5.9°
<b>Display</b> Binocular	SXGA 1280x1024 pixels with diopter adjustment
<b>Laser Rangefinder</b> Wavelength Laser safety Accuracy Range	1.54µm Eye Safe Class 1 according to IEC 60825-1 1meter @2sigma 6km, NATO Target (2.3X2.3m), 15km Visibility
<b>Laser Pointer</b> Wavelength	830nm
<b>DMC &amp; IMU</b> Azimuth accuracy Elevation accuracy	±0.5° ±0.25°
<b>GPS</b> Accuracy Supported standards	< 2.5m GPS ,Galileo and Glonass
<b>External Interfaces</b> Video output	H.264
<b>Power Supply</b> Rechargeable battery pack Mission duration (25°C)	Integrated battery charger >4hrs
<b>Physical</b> Weight	2.2 kg
<b>Environmental conditions</b> Environmental conditions	MIL-STD 810 & MIL-STD 461

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Advanced target locator and intelligence system

AION-C integrates powerful surveillance, target acquisition and reconnaissance technologies for day/night, delivering tactical superiority, increased operational effectiveness and battlefield situational awareness.



### Accelerated sensor-to-shooter cycle:

- High-end components allow accurate target acquisition to rapidly close the sensor-to-shooter cycle
- Extremely accurate laser rangefinder (LRF)
- Internal GPS
- Digital Magnetic Compass (DMC) with inertial measurement unit (IMU)
- IR pointer
- Day/night see-spot capability



### Wide-area terrain dominance:

- Unmatched capability for long-range observation
- Exceptionally wide field of view (FOV) – up to 36° in thermal channel
- Advanced AI analytics, with video motion detection (VMD) and automatic target recognition (ATR)
- Image fusion capabilities (day & thermal)



### Seamless connectivity and integration:

The solution integrates with C<sup>4</sup>I, communication networks, and a range of Elbit's combat systems as part of Elbit Systems' future battlefield vision. AION-C is used as a front-line intelligence system in the hands of the field commander and serves as an immediate connection between the field unit and the network of systems.



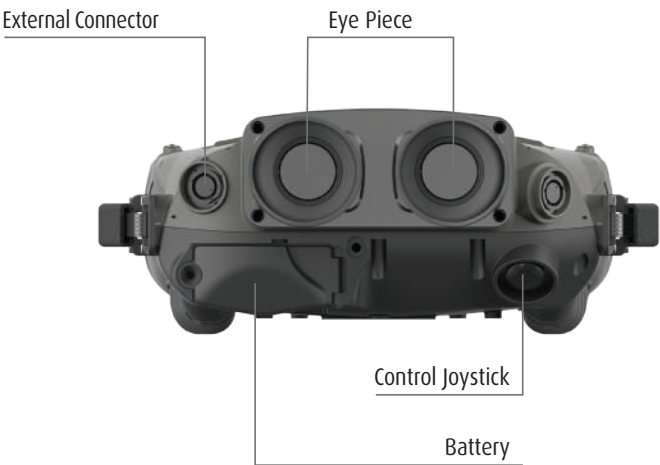
See-spot tracker  
(STANAG 3733 compliant)



Extremely lightweight-  
only 2.2kg



Enhanced situational awareness  
by using augmented reality



### Range Performance

