



NYXCORE

**ACTIONABLE INTELLIGENCE
WHERE IT MATTERS MOST**

THE PROBLEM

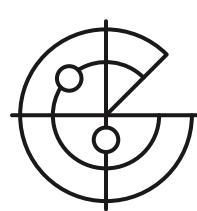
Sensor feeds generate massive amounts of data, but critical insight is often buried. Operator decisions rely on real-time interpretation, not persistent intelligence.

THE SOLUTION

NyxCore, a sensor-integrated AI engine, detects, classifies, and tracks objects in real time. By capturing and preserving data, it enables operators to revisit, validate, and fully understand the scene.

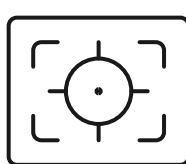


NYXCORE CAPABILITIES



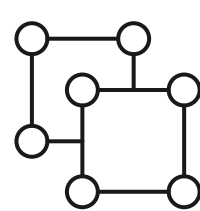
DETECTION

Identifies objects across wide areas, even at long range



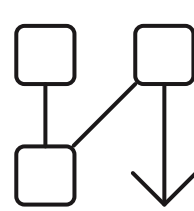
TRACKING

Maintains persistent awareness across time and movement



CLASSIFICATION

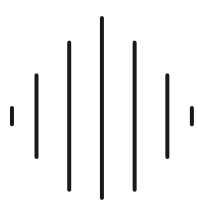
Defines objects by type, behavior, and attributes



DECISION SUPPORT

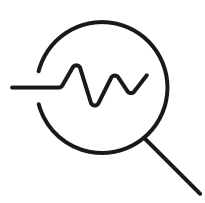
Delivers actionable insights in real time

KEY DIFFERENTIATORS



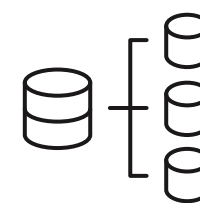
BUILT FOR THE SENSOR

Runs directly on the platform. No downstream systems reliance



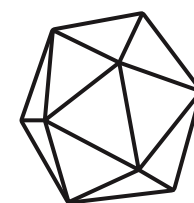
REAL-TIME + BEYOND REAL-TIME

Analyze live & revisit the past to uncover missed insights



EDGE-NATIVE INTELLIGENCE

Processing happens where data is captured



OPERATOR-CENTRIC DESIGN

Reduces workload while increasing confidence

AVAILABILITY

SOFTWARE	CLARITY-HD	HD40-LVV	HD59 SERIES	HD80/HD95
Nyxcore-C	Now	Summer 2026	Summer 2026	2027
Nyxcore-D	Now	Fall 2026	Fall 2026	2027
Nyxcore-X	Now	Contact Support	Contact Support	2027



TRILLIUM INTELLIGENCE STACK

NyxCore is part of the Trillium Intelligence Stack, a tightly integrated system that unifies sensor control, operator interface, and embedded AI into one seamless experience.



RAPID DEPLOYMENT

Deploys on-board Trillium gimbals or via Clarity-HD

MODELS

NYXCORE-C

Built on Sightline ATR insights, NyxCore-C delivers persistent overland awareness, mission context, & decision support across EO & IR imagery.

NYXCORE-D

Designed for long-range, wide-area maritime search. Detects & tracks low-visual signature objects in EO & IR using autonomous scanning.

NYXCORE-X

Enables integration of customer-developed detectors and classifiers for mission specific workflows.

ENGINE

NYXCORE

Our embedded AI engine. The intelligence layer built into the sensor system.

DETECTION VISUALIZATION TRACKING

USER INTERFACE

SKYLINK

Our mission control platform. The operational backbone of the system.

VIDEO FEED MAP INTERFACE GIMBAL CONTROL
GO-BACK-IN-TIME AI CONTROLS OBJECT CENTRIC

