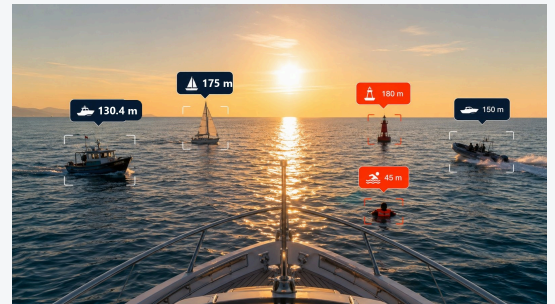


SEZEN

MODULAR SENSOR FUSION SYSTEM

SEZEN integrates and processes data from diverse sensor systems: it independently detects, classifies and tracks objects per sensor, then intelligently merges the results – minimizing ambiguities, reducing false detections and enabling rapid, reliable identification, including fast, low-altitude FPV and kamikaze drones. High-quality fused sensor data feeds autonomy computers for navigation, decision-making and safety.



SEZEN AI VISION · DAY & NIGHT WATCH

TYPICAL APPLICATION

Sensor fusion for land, marine and air autonomous systems · situational awareness · obstacle detection · warning systems · human detection

AI PROCESSING

GPU-based, scalable edge AI computing – processing capacity sized to the sensor suite and mission requirements

SENSOR INTERFACES

Multiple radars · high-resolution LiDAR · mmWave radar point clouds · day/IR cameras (MIPI-CSI, USB 3.0) · AIS data fusion · aSense INS integration

NETWORK

6× 1 Gb Ethernet · 2× CAN · USB 3.0 · HDMI display output

SOFTWARE INTERFACES

ROS · SEZEN C++ SDK

SENSORS

Day & IR cameras and radar can be supplied with the system upon request

POWER

9–36 VDC · active cooling with thermal protection

ENVIRONMENT

–20 °C to +60 °C · 10–90 % RH non-condensing · IP66 / IP67 enclosure options

PHYSICAL

275 × 215 × 85 mm · 4.5 kg – custom form factors on request

ONE UNIFIED ENVIRONMENTAL PICTURE

An always-on watch for your platform: SEZEN's AI vision detects what radar and AIS can miss – unsignalled craft, buoys, floating obstacles and persons overboard – and warns the crew in time, day and night, in any weather. All fused tracks are pushed to the chart and MFD: one picture for every decision.



SENSOR INPUTS · FUSION CORE · MISSION ROLES

DETECT

AI vision finds small, fast and non-cooperative targets that escape radar and AIS

FUSE

One unified picture from every sensor, in real time

ACT

Early alerts for navigation, autonomy & defence

BRING EDGE AI TO YOUR PLATFORM

Maritime, land or air – tell us your sensor suite and we'll shape SEZEN around it.