OSCAR

smart vision safe navigation

HUCKWORTHY

SENTRY

Latest camera technology meets Artificial Intelligence to bring highly advanced object recognition to the bridges of motor vessels and yachts. Detect early. Identify reliably. Avoid safely. Large and small, day and night.

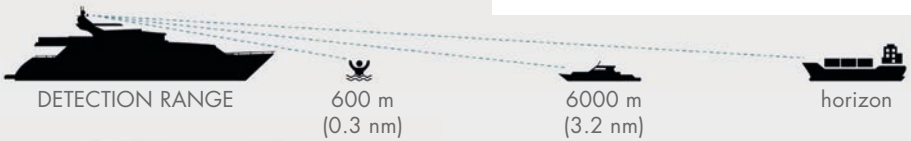
OSCAR SENTRY

OSCAR Sentry brings a radical new approach to safety at sea, combining latest sensor technology with machine learning and artificial intelligence. OSCAR Sentry continuously scans the environment with a combination of daylight/lowlight and infrared cameras on a rotating unit that surveys 360 degrees. Detecting temperature differences as small as 0,05°C and identifying hazards based on the experience of millions of recognized marine objects, and more than 300,000 nautical miles traveled at sea, OSCAR Sentry will reliably warn you before objects become a hazard.
OSCAR Sentry offers an intelligent alarm system for both collision avoidance and for approaching objects when at anchor, increasing safety in all conditions. By recognizing and tracking floating persons, OSCAR Sentry can support SAR efforts and MOB recovery.

VISION & PROCESSING UNIT

Thermal Cameras	Flir Boson 640 x 512 25° HFOV, 14 mm Flir Boson 640 x 512 8° HFOV, 55 mm
Color Camera	5MP Lowlight 2560x1944px , 34° HFOV, 8 mm 5MP Lowlight 2560x1944px , 8° HFOV, 35 mm

Dimensions	355 x 202 x 250 mm, 4.8 kg	Color Vision Sector	360°
Pan and Tilt Range	360° / ±20°	Minimum Installation Height	5 m
User Interfaces	Tablets, PC	Mean Power Consumption	50W - 70W
Processing Power	NVIDIA® Jetson AGX Xavier™	Thermal Vision Sector	360°
		Image Processing Rate	10 fps



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BSB Group Headquarters
Siemensstrasse 60 4030 Linz I AUSTRIA
contact@bsb-ai.com

US Government and Government Integrator Sales
HUCKWORTHY LLC - Cape Charles, VA
BSB@huckworthy.com +1-202-649-0058

HUCKWORTHY

OFFSHORE ONE

WATCHKEEPER

AI-based object recognition at sea for cruising yachts:
Detect early. Identify reliably. Avoid safely.
Large and small, day and night.

OSCAR OFFSHORE ONE

The revolutionary all in one design: OSCAR One 320 combines both the camera unit and the data processing in one compact, mast-mounted unit. Connect Oscar One 320 to the bus system of your yacht and take navigation to a new level of safety.

VISION & PROCESSING UNIT

Thermal Cameras	2 x FLIR BOSON™ 320 x 256
Color Camera	5 MP lowlight RGB Camera, 2592 x 1944
Dimensions	190 x 143 x 106 mm, 990 g
User Interfaces	iOS, Android, PC, B&G, Furuno, Garmin, Raymarine, Simrad
Processing Power	NVIDIA® Jetson Xavier™ NX

Thermal Vision Sector	50°
Color Vision Sector	110°
Thermal / RGB Detection	yes / no
Minimum Installation Height	8 m
Mean Power Consumption	16W
Image Processing Rate	3 fps

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contact@bsb-ai.com

US Government and Government Integrator Sales
HUCKWORTHY LLC - Cape Charles, VA
BSB@huckworthy.com +1-202-649-0058

HUCKWORTHY

OFFSHORE 640

AI-based object recognition
for offshore sailing and blue-water cruising:
Detect early. Identify reliably. Avoid safely.
Large and small, day and night.

OSCAR OFFSHORE 640

Superior safety for serious offshore sailors: The Offshore 640 boosts your detection range with high-resolution thermal cameras for maximum power, a low-light color camera for reliable imaging in the most difficult twilight conditions, and a powerful processing unit. Whatever is out there, with the Offshore 640 you will see it first.

VISION & PROCESSING UNIT

Thermal Cameras	2 x FLIR BOSON™ 640 x 512	Thermal Vision Sector	50°
Color Camera	5 MP lowlight, 2592 x 1944	Color Vision Sector	110°
Vision Unit	190 x 143 x 106 mm, 990 g	Thermal / RGB Detection	yes / yes
Processing Unit	190 x 155 x 60 mm, 1.7 kg	Minimum Installation Height	8 m
User Interfaces	iOS, Android, PC, B&G, Furuno, Garmin, Raymarine, Simrad	Mean Power Consumption	25W
Processing Power	NVIDIA® Jetson Xavier™ NX NVIDIA® Jetson AGX Xavier™	Image Processing Rate	6 fps

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contact@bsb-ai.com

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HUCKWORTHY LLC - Cape Charles, VA
BSB@huckworthy.com +1-202-649-0058

OSCAR

smart vision safe navigation

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COMPETITION 640

AI-based object recognition for offshore racing and radical performance yachts: Detect early. Identify reliably. Avoid safely. Large and small, day and night.

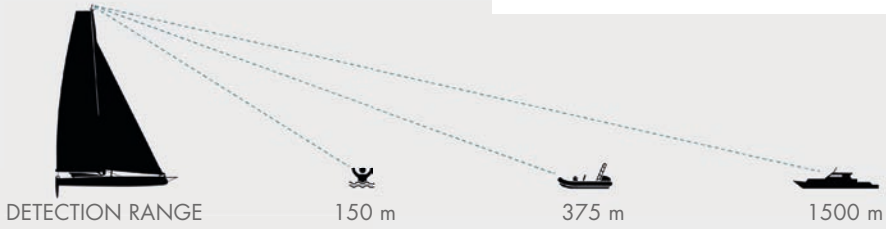
OSCAR COMPETITION 640

Ultimate power for radical racing where every gram counts. With its lightweight design and 100° pan range, OSCAR COMPETITION 640 fits rotating masts. Its high-resolution thermal cameras extend the observation range for early detection.

VISION & PROCESSING UNIT

Thermal Cameras	2 x FLIR BOSON™ 640 x 512
Color Camera	2 MP RGB Camera, 1920 x 1080
Vision Unit	144 x 114 x 96 mm, 750 g
Processing Unit	190 x 155 x 60 mm, 1.7 kg
User Interfaces	iOS, Android, PC, B&G, Furuno, Garmin, Raymarine, Simrad
Processing Power	NVIDIA® Jetson AGX Xavier™

Thermal Vision Sector	50°
Color Vision Sector	110°
Rotating Mast Compensation	yes (±50°)
Thermal / RGB Detection	yes / yes
Minimum Installation Height	8 m
Mean Power Consumption	25W
Image Processing Rate	3 fps



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contact@bsb-ai.com

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HUCKWORTHY LLC - Cape Charles, VA
BSB@huckworthy.com +1-202-649-0058