

OSCAR ONE 320

RECREATIONAL SAILING MARKET

The revolutionary all in one design: OSCAR One 320 combines camera unit and 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.



OSCAR OFFSHORE 320

RECREATIONAL SAILING MARKET

The extra robust and lightweight OSCAR Offshore 320 is equipped with thermal and daylight cameras. A low-light color camera provides reliable images even in twilight conditions, outperforming the human eye by miles. A powerful processing unit makes the maximum of the available input, and the output is situational awareness and safety like never before.



OSCAR OFFSHORE 640

RECREATIONAL SAILING MARKET

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 see it first.



OSCAR COMPETITION 320

RACING AND HIGH PERFORMANCE SAILING BOATS WITH ROTATING MASTS

Ultra-lightweight for the competitive edge. Stripped down to its bare functionality, OSCAR Competition 320 delivers reliable object detection for rotating masts.



OSCAR COMPETITION 640

RACING AND HIGH PERFORMANCE SAILING BOATS WITH ROTATING MASTS

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



OSCAR SENTRY

COMMERCIAL, GOVERNMENT, NGO, SAR, RECREATIONAL MOTOR YACHTS

OSCAR Sentry continuously scans the environment with a combination of daylight/lowlight and infrared cameras on a rotating unit that covers full 360 degrees. Detecting temperature differences as small as 0,05 °C and identifying 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 before objects can present a hazard. OSCAR Sentry offers intelligent alarming for both collision avoidance and for approaching objects when at anchor, increasing safety in all conditions. By recognizing and tracking floating objects, OSCAR Sentry can support SAR efforts and MCR recovery.



THERMAL CAMERAS	2x FLIR BOSON™ 320 x 256, 25° HFOV	2x FLIR BOSON™ 320 x 256, 25° HFOV	2 x FLIR BOSON™ 640 x 512, 25° HFOV	2x FLIR BOSON™ 320 x 256, 25° HFOV	2 x FLIR BOSON™ 640 x 512, 25° HFOV	FLIR BOSON™ 640 x 512, 25° HFOV, 14 mm FLIR BOSON™ 640 x 512, 8° HFOV, 50 mm	
THERMAL VISION SECTOR	50°	50°	50°	50°	50°	360°	
COLOR CAMERA (RGB)	5 MP lowlight RGB Camera 2592 x 1944, 110° HFOV (no object detection)	5 MP lowlight RGB Camera 2592 x 1944, 110° HFOV	5 MP lowlight RGB Camera 2592 x 1944, 110° HFOV	2 MP RGB Camera 1920 x 1080, 110° HFOV	2 MP RGB Camera 1920 x 1080, 110° HFOV	2x 5 MP lowlight RGB Camera 2560x1944px , 34° HFOV , 8 mm 2560x1944px , 8° HFOV, 35 mm	
COLOR VISION SECTOR (day only)	110° (no object detection)	110°	110°	110°	110°	360°	
INERTIAL MEASUREMENT UNIT	6 DoF sensor	6 DoF sensor	6 DoF sensor	6 DoF sensor	6 DoF sensor	9 DOF sensor	
PROCESSING POWER	*NVIDIA® Jetson Xavier™ NX GPU: NVIDIA Volta™ architecture with 384 NVIDIA® CUDA® cores and 48 Tensor cores CPU: 6-core NVIDIA Carmel ARM@v8.2 64-bit CPU: 6-core NVIDIA Carmel ARM@v8.2 64-bit	*NVIDIA® Jetson Xavier™ NX GPU: NVIDIA Volta™ architecture with 384 NVIDIA® CUDA® cores and 48 Tensor cores CPU: 6-core NVIDIA Carmel ARM@v8.2 64-bit GPU: 512-core NVIDIA Volta™ GPU with 64 Tensor cores CPU: 8-core ARM@v8.2 64-bit*	*NVIDIA® Jetson Xavier™ NX GPU: NVIDIA Volta™ architecture with 384 NVIDIA® CUDA® cores and 48 Tensor cores CPU: 6-core NVIDIA Carmel ARM@v8.2 64-bit GPU: 512-core NVIDIA Volta™ GPU with 64 Tensor cores CPU: 8-core ARM@v8.2 64-bit*	NVIDIA® Jetson AGX Xavier™ GPU: 512-core NVIDIA Volta™ GPU with 64 Tensor cores CPU: 8-core ARM@v8.2 64-bit	NVIDIA® Jetson AGX Xavier™ GPU: 512-core NVIDIA Volta™ GPU with 64 Tensor cores CPU: 8-core ARM@v8.2 64-bit	NVIDIA® Jetson AGX Xavier™ GPU: 512-core NVIDIA Volta™ GPU with 64 Tensor cores CPU: 8-core ARM@v8.2 64-bit*	NVIDIA® Jetson AGX Xavier™ GPU: 512-core NVIDIA Volta™ GPU with 64 Tensor cores CPU: 8-core ARM@v8.2 64-bit*
IMAGE PROCESSING RATE	3 fps	6 fps	6 fps	3 fps	3 fps	10 fps	
THERMAL DETECTION	yes	yes	yes	yes	yes	yes	
RGB DETECTION	no	yes	yes	yes	yes	no	
PAN AND TILT RANGE	-	-	-	±50° / 0° (rotating mast compatible)	±50° / 0° (rotating mast compatible)	360° / ±20°	
DETECTION RANGE <small>* - FLIR sized object detection range (e.g. cargo vessel) - Large sized object detection range (e.g. yacht, fishing vessel) - Medium sized object detection range (e.g. RIB) - Small sized object detection range (e.g. mooring buoy, PCB)</small>	up to the horizon 1000m 250m 100m	up to the horizon 1000m 250m 100m	up to the horizon 1500m 375m 150m	up to the horizon 1000m 250m 100m	up to the horizon 1500m 375m 150m	up to the horizon 6000 m (3,2 nm) 3000 m (1,6 nm) 600 m (0,5 nm)	
INTERFACES	Ethernet NMEA 2000 external Alarm Buzzer	2x Ethernet NMEA 2000	2x Ethernet NMEA 2000	2x Ethernet NMEA 2000	2x Ethernet NMEA 2000	Ethernet NMEA 2000	
USER INTERFACES	Tablet, Smartphones (Android and iOS), PC B&G: Zeus3, Zeus 3S, Zeus 3S Glass Helm Simrad: Evo 3S Raymarine: Lighthouse 3 compatible MFDs (Axiom) Furuno: TZtouch3 Series TZ19F / 12F / 16F / 19F Garmin: oneHelm compatible MFDs	Tablet, Smartphones (Android and iOS), PC B&G: Zeus3, Zeus 3S, Zeus 3S Glass Helm Simrad: Evo 3S Raymarine: Lighthouse 3 compatible MFDs (Axiom) Furuno: TZtouch3 Series TZ19F / 12F / 16F / 19F Garmin: oneHelm compatible MFDs	Tablet, Smartphones (Android and iOS), PC B&G: Zeus3, Zeus 3S, Zeus 3S Glass Helm Simrad: Evo 3S Raymarine: Lighthouse 3 compatible MFDs (Axiom) Furuno: TZtouch3 Series TZ19F / 12F / 16F / 19F Garmin: oneHelm compatible MFDs	Tablet, Smartphones (Android and iOS), PC B&G: Zeus3, Zeus 3S, Zeus 3S Glass Helm Simrad: Evo 3S Raymarine: Lighthouse 3 compatible MFDs (Axiom) Furuno: TZtouch3 Series TZ19F / 12F / 16F / 19F Garmin: oneHelm compatible MFDs	Tablet, Smartphones (Android and iOS), PC B&G: Zeus3, Zeus 3S, Zeus 3S Glass Helm Simrad: Evo 3S Raymarine: Lighthouse 3 compatible MFDs (Axiom) Furuno: TZtouch3 Series TZ19F / 12F / 16F / 19F Garmin: oneHelm compatible MFDs	Tablet, Smartphones (Android and iOS), PC B&G: Zeus3, Zeus 3S, Zeus 3S Glass Helm Simrad: Evo 3S Raymarine: Lighthouse 3 compatible MFDs (Axiom) Furuno: TZtouch3 Series TZ19F / 12F / 16F / 19F Garmin: oneHelm compatible MFDs	Panel PC , Tablet
MINIMUM INSTALLATION HEIGHT <small>(above water)</small>	8m	8m	8m	8m	8m	5m	
POWER SUPPLY	24V DC	12V-24V DC	12V-24V DC	12V-24V DC	12V-24V DC	24V DC	
MEAN POWER CONSUMPTION	16W - 20W	25W - 35W	25W - 35W	25W - 30W	25W - 30W	50W - 70W	
VISION UNIT	190 x 143 x 106mm , 990g	190 x 143 x 106mm , 990g	190 x 143 x 106mm , 990g	144 x 114 x 96 mm , 750g	144 x 114 x 96 mm , 750g	355 x 202 x 250 mm , 4,8kg	
EXTERNAL PROCESSING UNIT	-	190 x 155 x 60 mm, 1,7 kg	190 x 155 x 60 mm, 1,7 kg	190 x 155 x 60 mm, 1,7 kg	190 x 155 x 60 mm, 1,7 kg	-	
OPERATING TEMPERATURE	-15 to 50°C	-15°C to 50°C	-15°C to 50°C	-15°C to 50°C	-15°C to 50°C	-15°C to 50°C	
SHOCK RESISTANCE / IP CODE	10G / IP67	10G / IP67	10G / IP67	12G / IP67	12G / IP67	10G / IP67	

€ 9,999
€ 199

€ 19,999
€ 499

€ 29,999
€ 699

€ 23,999
€ 499

€ 34,999
€ 699

€ 39,999
€ 999

* Actual object detection range performance may vary depending on environmental and weather conditions.