

# OSCAR

## SPECIFICATIONS



My vision unit



My user application



My processing unit

	OSCAR 30R	OSCAR 40R
Vessel speed	< 30 Knots	< 40 Knots
Thermal Cameras (x2)	2 x FLIR BOSON™ 320 x 256	2 x FLIR BOSON™ 640 x 512
Total HFOV	50°	
Colour Camera	RGB 1920 x 1080	
Field of View	120°	
Onboard Inertial Measurement Unit	6 DoF sensor	
Onboard Processing Unit	Quad Core 1.2GHz	
Horizontal Rotation	±50°	
Power Supply	12/24V DC	
Power Consumption	Typical 8W – Max 10W	
Interfaces	Power Ethernet	
Operating Temperature	-5 to 50°C	
Weight	750g	
Dimensions	144 x 114 x 96 mm	
Mast Fixation	Vertical adjustable bracket ±15° / 150g	
Shock resistance / IP Code	12G / IP67	

	OSCAR 30R	OSCAR 40R
Vessel speed	< 30 Knots	< 40 Knots
Object detection 1x1 m <sup>2</sup>	75m	150m
Detection limit at 600m	8m object	4m object
Object Tracking	✓	✓
Obstacle Map	✓	✓
Customized Danger Zone	✓	✓
Customized Alarm	✓	✓
Customized Image Recording	✓	✓
Operating System	Browser: Firefox 60 or later, Chrome 74 or later Mobile: iOS v12.2, Android 5+	
Network Integration	3 Static IP Addresses	
Internet connection	Not required *	

\*Internet connection can be needed for automatic update of OSCAR software.

	OSCAR 30R	OSCAR 40R
Vessel speed	< 30 Knots	< 40 Knots
Onboard Processing Unit(s)	1 x NVIDIA™ Jetson™ TX2	2 x NVIDIA™ Jetson™ TX2
Interfaces	2 x Power connectors 2 x Ethernet connectors USB Wi-Fi NMEA 2000 Alarm Buzzer	
Power Supply	12/24V DC	
Power Consumption	Typical 16W - Max 20W	
Operating Temperature	-5 to 50°C	
Weight	1550g	
Dimensions	219 x 187 x 81 mm	
Storage Unit	4TB USB 3.0 External Hard Disk	
Boat Fixation	Assembly bracket 100g / Industrial Velcro	



OSCAR's specifications are subject to change without prior notice.