

MV Ocean Endeavour

Research Vessel



Vessel details

Name	MV Ocean Endeavour
Type	Research vessel
Year of build	1986
Reconfigured	2004
Classification	DNV-GL / 100 A5
Owner	Gardline Shipping Limited
Flag	UK
Port of registry	Lowestoft
ON	904335
IMO no / Call Sign	8402008 / GAAL
MMSI Number	233694000

Dimensions

Length overall	77.1m
Beam	14.8m
Draft	4.3m
GRT	1,967
NT	590

Accommodation

Berths	32
Facilities	Mess, lounge, recreation / media room gym

Propulsion and machinery

Main engine	2 x Ruston 8RKCM
Generators	4 x Mirrlees Blackstone ES6
Propulsion	Single 4-bladed Controllable Pitch
Bow thruster	GillJet 50T3
Transit speed	8 knots
Maximum speed	10 knots

Capacities

Fuel capacity	287m ³
Fresh water	230m ³
Endurance	28 days (nominal)

Vessel details

Bridge equipment

Radars	2 x VisionMaster FT (X-Band)
Autopilot	Simrad AP80
Gyrocompass	SG Brown Meridian
Echosounder	Simrad ED 162
Communications	V-Sat KU Band Iridium pilot Fleet 250 Fleet 500 Emergency GMDSS Handhelds (A1-A3) Sat-C Telex Internal Telephone Exchange ECDIS Electronic Charts

Deck area

Cranes	Heila HLRM170/4SL (17T SWL @ 6m) 2 x Grove M977 (1T SWL @ 5m)
---------------	--

Safety equipment

Rescue boat	Survitech DSB420 RIB with outboard
Life rafts	6 x Viking 25DK+ (25 persons)
Fire fighting	Full complement of fire fighting equipment to meet or exceed SOLAS regulations

Navigation

Positioning systems	Fugro Starfix HP/XP & Starpack (primary & secondary) Seapath 380 Kongsberg MRU5+
Underwater positioning	Sonardyne Ranger 2 USBL
Survey computer	Gardline Voyager5

Vessel capabilities

Hydrography

Multi-beam	Kongsberg EM 2040 (0.70 x 0.70)
Single-beam	Kongsberg EA 400

Geophysical

Side scan sonar	Edgetech 4200
Sub-bottom profilers	Innomar SES-2000 Medium Applied Acoustics Catamaran Multi-Level Dura Sparker (400+400 tips) (Optional) 10in3 mini airgun AML 350 underway SV sensor
SV Probe	

2D HRS	Sercal Sentinel Solid Streamer - 1,200m, 96 channel 4 x 40in3 sleeve gun array ProMAX QC/Processing
---------------	--

2D/3D UHRS	Geo-source / AAE Multi Tip Sparker Gardline uSeis Multi Channel Digital Streamer (1m group 96 channel) Or 75m streamer (3.125m group / 24ch) GPS source / head / tail buoy positioning 4 x 40in3 sleeve gun cluster Hydroscience SeaMUX digital streamer system (12.5m group, 600m / 48ch ProMAX QC/processing
-------------------	--

Depth controllers	Ion 5010 DigiBird / 5011 Compass Bird
--------------------------	---------------------------------------

Active Tail Buoy	PartnerPlast Tail Buoy 800 / Seatex 220 RGPS system
-------------------------	--

Seismic compressors	4 x Hamworthy 4TH140W70 (80scfm)
----------------------------	-------------------------------------

Magnetometer	Geometrics G882
---------------------	-----------------

Environmental

Shipek / Day / van Veen / Mini Hamon grab samplers Box corer Water samplers Video and stills camera systems
--

All Gardline vessels meet or exceed international maritime guidance, statutory Instruments and SOLAS requirements (including FSS code and IMO regulations) for Life Saving Instruments



For more details please contact:
Email: geosurvey@gardline.com

Gardline Limited

Endeavour House, Admiralty Road, Great Yarmouth, Norfolk NR30 3NG UK
Tel: +44 (0)1493 845 600

www.gardline.com