

# Global Explorer ROV

Tailor-made for the scientific community

This professionally manned, telepresence-enabled remotely operated vehicle (ROV) leases for special projects in shallow and deep water.



## FEATURES

Depth rated to 10,000 fsw / 3,000 msw

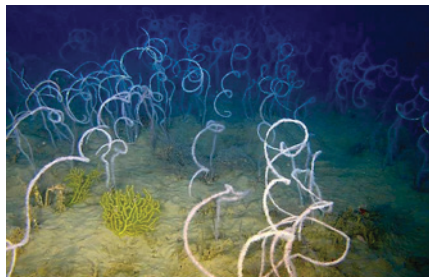
Unmatched imagery with 4K and 3D HDTV

Full suite of scientific sampling tools



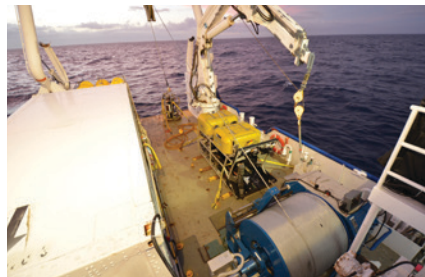
## Deliver Science

The Global Explorer ROV offers a complete suite of scientific tools for mid-water and benthic sampling, including: detritus sampler, rotary suction sampler, jet pump, push cores/quivers, and an insulated bio box. The Schilling ORION seven-function spatially correspondent manipulator arm extracts fragile coral and artifacts with delicate precision.



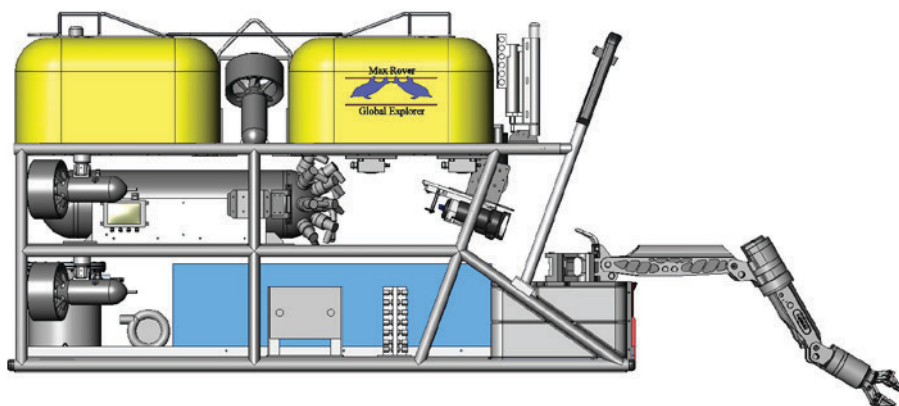
## Capture the Deep

The Global Explorer ROV delivers unmatched live video imagery and stunning digital stills through a Gigabit Ethernet connection. Optional live satellite broadcast capability is available for extending collaboration and outreach.



## Recover Assets

The Global Explorer ROV's nimble platform allows for fast, cost-effective transport and mobilization for asset recovery. Mobilization times have been trimmed to two days for mobilization and one day for demobilization. The vehicle is deployable from economical vessels as small as 100 ft / 30.5 m.



## Cameras

- » 4K ultra-HDTV
- » Stereo 3D HDTV with photogrammetry
- » 24 MP DSLR stills
- » Built-in laser scaler
- » Extreme low-light color HDTV
- » LED lighting 135° by 77° at 5500K

## Sensors

- » Multibeam sonar
- » Scanning sonar
- » Sonar altimeter
- » Depth sensor
- » Gyro
- » Conductivity, temperature, depth (CTD)

## Manipulator Arm

- » Schilling ORION seven-function spatially correspondent manipulator arm

## Sampling

- » Rotary carousel suction skid
- » Retractable bio box
- » Detritus samplers
- » Push cores and quivers
- » Jet pump

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