



ROV Domes



Domes For Manned Submersibles



Subsea Installation Windows

Subsea Exploration

Subsea Oil & Gas Solutions

With ever increasing pressure on E&P activities worldwide, operators are pushing the boundaries of offshore applications. As depth, pressure and environmental conditions increase, businesses come to Rayotek for ideal solutions to their sight window needs. Offering the best in OTS (off-the-shelf) and full custom sight window products, Rayotek's customers can more confidently meet the challenges of subsea development.

Subsea Exploration, Research & Geoscience Solutions

The modern age of humanity has experienced scientific growth and exploration far beyond the imagination of previous generations. The subsea world offers a vast expanse of opportunities, including: species diversity studies and conservation, global climate mapping and prediction, new food and medical sources, renewable energy sources, prediction of geological activity and disaster aversion.

Scientists and researchers can rely on Rayotek's engineering and sight window manufacturing to generate products that work within the ever expanding realm of subsea exploration.

Applications

EQUIPMENT TYPE

- ROV
- UAV
- Manned Submersible
- Installations
- Surface Vessel/Ship

INDUSTRY

- Scientific Research
- Retrofits
- Subsea Geosurveying
- Pipeline & Trench Systems

PRODUCT TYPE

- Camera Domes
- Subsea Windows
- Instrument Portals
- Inspection Portals

Features & Benefits

Pressure Ratings - highest in the industry (custom applications up to 50 KPSI)

Material Combinations - multiple, including: NACE compliant & super alloy metals with borosilicate, sapphire, fused quartz & soda lime

Configurations - Tek-Glass Fused Glass is mechanically pre-stressed & used to eliminate cracking-based failures & unexpected ruptures

Interfaces - a variety of threaded & flanged options, plus custom connection designs

Engineered & Manufactured In-House - 100% at Rayotek's San Diego, USA facility

AS9100D Certified & ITAR Registered

Configurations

FEATURES	OPTIONS
TYPE	Threaded, Flanged, Custom
INTERFACE	Dome, Window, Lens
ASSEMBLY TYPE	Fused, Bonded, Gasket/Ring (Backside Seal)
MATERIALS	Sapphire, Borosilicate, Fused Silica, Fused Quartz, BK7 (BSL7)
SIZE RANGE	0.010" to 120" Range
PRESSURE RATING	From Full Vacuum up to Challenger Deep (~36,000 ft/~16,000 PSI)

INDUSTRIES SERVED: AEROSPACE, PULP & PAPER, MINING, CHEMICAL INDUSTRIAL, OIL & GAS AND MORE!