



Discover how we can improve your
instrumentation and supply chain
experience today!

KO | BRINGING QUALITY INTO FOCUS

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Custom domes for Submersible ROV's in underwater imaging, sensing and exploration

.Knight Optical has successfully launched a range of [Stock Optical Domes](#) for [Submersible ROVs](#) underwater imaging, sensing and exploration applications, where protection of electronic sensor systems from harsh liquid and gas environments is essential.

A dome is essentially a window that has two parallel curved faces. Our domes ensure high clarity and transmission in the UV-NIR and FarIR spectrums allowing for accurate measurement.

Knight Optical is a trusted, established and reliable supplier to manufacturers of underwater ROVs for surface and deep water exploration. With our excellent record delivering quality, metrology tested optical domes & windows; we like to think we are your best solution for custom ROV dome and window solutions. Our products are used by satisfied customers in the ROV industry worldwide. Contact our experts and find out why!

Capabilities: Domes are readily mountable, optically clear and manufactured to a high standard. Available from 5mm to 200mm in diameter and 0.25 to 10mm in thickness offering high transmission and **extreme toughness for harsh environments**. We can supply Acrylic Domes with threads on and up to very large diameters.

Typical materials: As well as fused silica, domes can be made in any of the [additional materials](#):

- BK7
- PMMA Acrylic
- Quartz
- Sapphire
- Germanium
- Silicon

All our domes are checked for quality in our state-of-the-art Metrology laboratory. All parts are 100% QA inspected for highest [Quality standards](#) and meet the tolerance specifications set by our partners.

[Contact our technical sales team](#) to discuss your requirements for optical domes, as well as our other components.

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- View our [QA and metrology information](#)
- Watch our [Corporate Video](#)