NORCOMP

Company Overview

This OEM manufactures laser scopes and range finders for the law enforcement and military markets.

All of their previous products have been designed for hand held or small arms applications. They have now developed an optical reconnaissance system which will be deployed in all special service branches of the military.

Challenge

This system utilizes a standard VGA interface (15 pin HD D–Sub) to transfer the images from the internal display to a remote monitor.

In order to develop a single system that could be shared across all branches, the customer needed to meet special IP68 requirements established by the Navy.

This requirement expands the standard IP67 requirement (1 meter / 30 minutes) to 8 meters for 2 hours.

Result

NorComp was prepared to develop a custom sealing process to meet the stringent demands of this program.

However before embarking on a long design process, the customer agreed to test NorComp's standard IP67 product to get a baseline on seal performance.

After extensive testing, the customer was vey happy to report that the existing IP67 design met all of the IP68 requirements and no further process development was required.