

TEKREX[®]

Case Studies

Custom Camera Housing

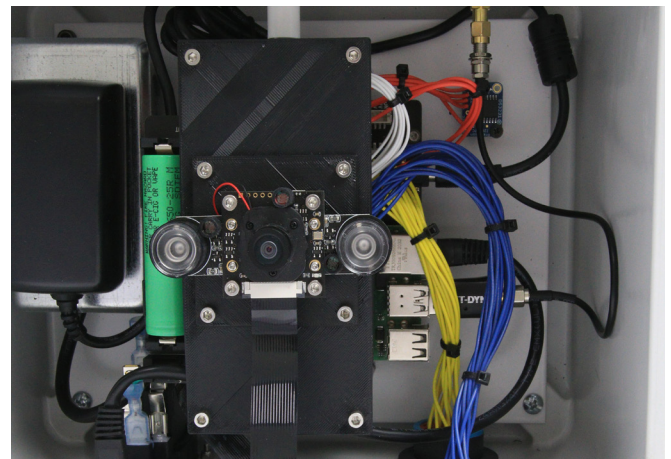
Our Solution

TekRex began by lining out a product line of different tiers of surveillance modules. We sourced various IP 67 rated enclosures and parts to be used across the different tiers. From there we designed how the IO connector pinouts, power supply, battery, SSD, real time clock, ethernet, antenna, and wiring would be arranged in a way that was compact yet easy to access.

The modules stream HD video outdoors, meaning designing for thermal management was especially important. Finally, we designed and 3D printed universal subpanels for the cameras to be mounted to, improving form factor and allowing for the cameras to be interchangeable.

An auto manufacturer needed an outdoor rated camera solution designed and built for a video surveillance application. In their scope of work, they specified two compute devices and several different cameras for different applications.

Challenge



Results



TekRex's ability to take a high-level rough scope of work and transform it into a tangible product line not only met expectations but allowed for additional opportunities to be developed for this client.