Drone Videography

Interface Mini™

Industry: Entertainment

Summary

Customer Challenge

A videographer wants to ensure the propeller motors compensate for weight shifting or uneven weight distribution of the video camera being attached when they film landscapes and other aerial shots.

Interface Solution

Four Interface WMC Sealed Stainless Steel Miniature Load Cells are installed to the necessary propeller motors to compensate for an uneven weight load. The WMC's measure the weight of the film camera attached and detect weight shifting or uneven weight distribution of the video camera.

Results

The four WMC load cells accurately measured the payload weight and maintained stability of the propeller motors to when the drone was in air with the attached film camera. This information, was communicated to the drones on-board processor for monitoring and recording this information during flight.

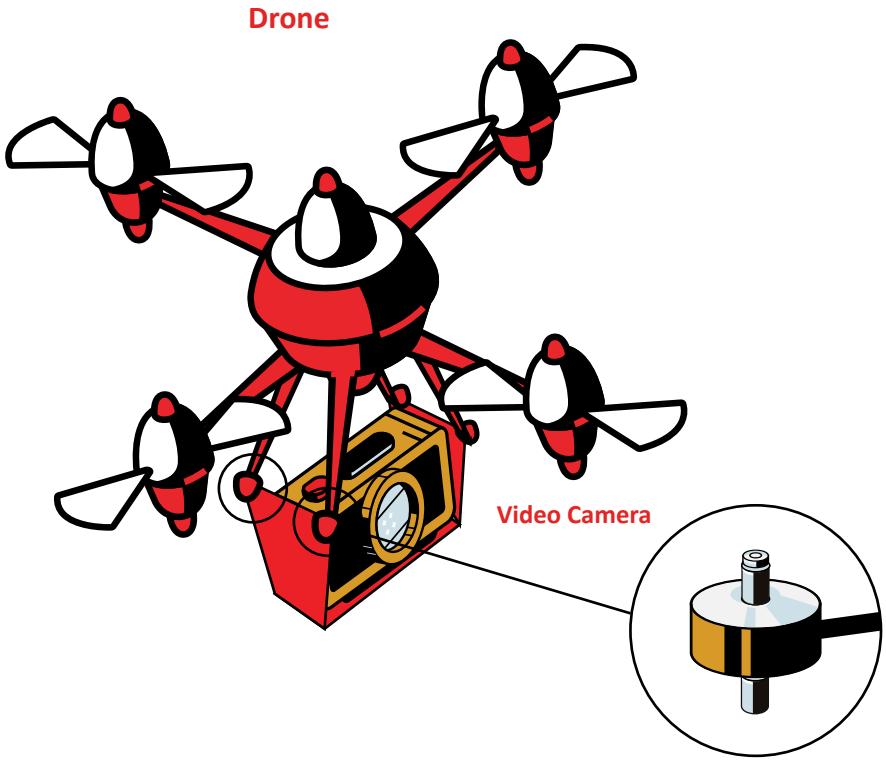
Materials

Interface Solution

- Four Interface WMC Sealed Stainless Steel Miniature Load Cells

How It Works

The four WMC Sealed Stainless Steel Miniature Load Cells are connected independently to each of the four landing gear legs. Once connected to the drone's processor, weight of payload is immediately communicated and stored, as well as detecting uneven weight distribution communicating with the individual propeller motors to increase the RPM's and balance the weight.



WMC Sealed Stainless Steel Miniature Load Cells

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