Assessing Small Scale Variability in Surface Snow and Landscape Temperature using Drone-Based Thermal Observations



- and freeze/thaw (FT) throughout a single day
- for high-resolution (spatial/temporal) process modeling

- conditions



DJI Inspire 2 – Dual Gimbal-Mounted Thermal and RGB Cameras







- **Study Area:** Grand Mesa, Colorado [~3,200 m, 108.065° W 39.042° N]
- ***** System Specifications

- **Data Resolution (TIR):** 6.5 cm GSD (@ 50 m flight altitude)
- temperature data (Skyway meteorological tower ~1 km NE)

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