



AMERICAN ROBOTICS

Fully Automated Drone Platforms: Actionable Insights Without Hassle

First of its kind “Drone-in-a-Box” is a game changer for agriculture

Eliminating the Barriers to Real-Time Insights

“In order for drones to really find their place in ag, this is the step that has to happen. They need to be autonomous.”

It takes way too much time and work for farmers to be able to get the value of the data that drones can collect.”

MID-KANSAS COOP



FULLY AUTOMATED. BUILT FOR THE FIELD.

- Ultra-high resolution
- Uniquely customizable
- Truly on-demand

The Scout Platform

SCOUT™



- Fully automated, industrial-grade drone
- No manual flying – automated take-off, flight, image capture and landing
- Flights at multiple altitudes
- On-demand targeted revisits at ultra-high resolution

SCOUTBASE™



- Weatherproof storage, docking, charging and edge computing station
- Located on farm
- Automated data download, processing and upload to cloud account
- Multi-power source integration

SCOUTVIEW™



- Cloud-based imagery access and management
- AI-powered anomaly and change detection
- Automated scouting alerts and reporting

Specialty Crop Benefits

- Minimize field visits and manual scouting
- Know precise field conditions throughout the growing season
- On-demand assessment of areas of interest
- Closely and regularly monitor crop growth and health



- Earliest identification of insect, weed and disease pressure
- Population, flower, berry counts
- Optimize input utilization and harvest planning
- Detect irrigation issues and other equipment malfunctions
- Insurance verification documentation



RGB Controls

Black/White Point RESET



Gamma (lightness)



Imaging Parameters

Altitude: 10ft

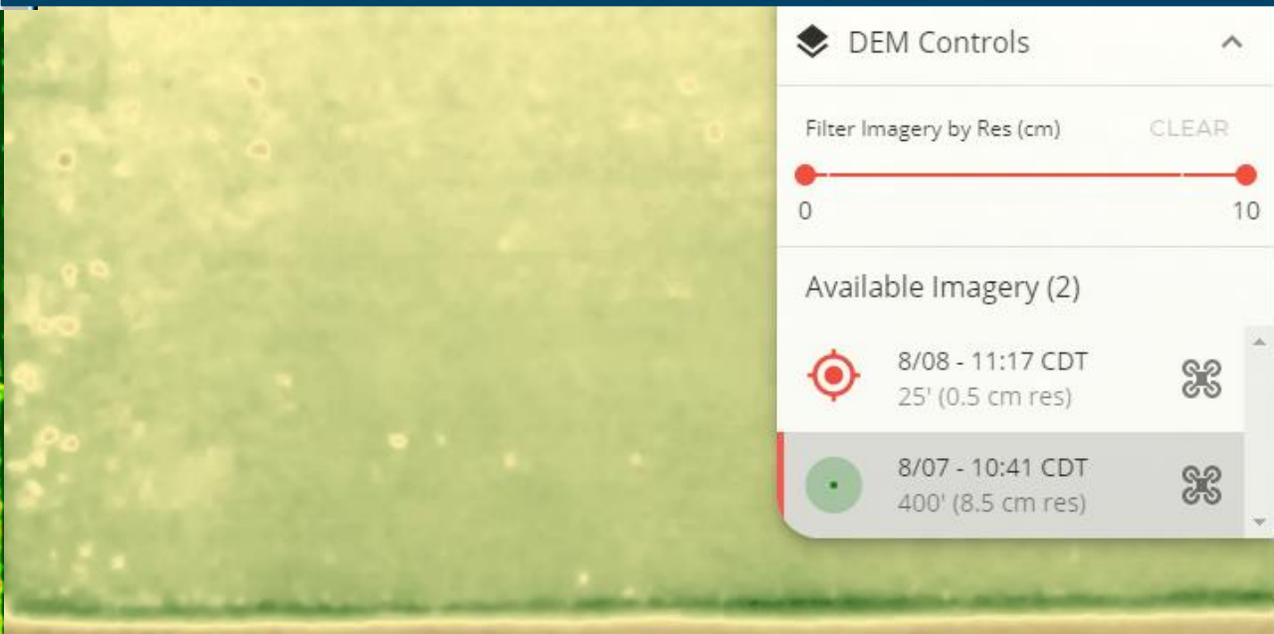
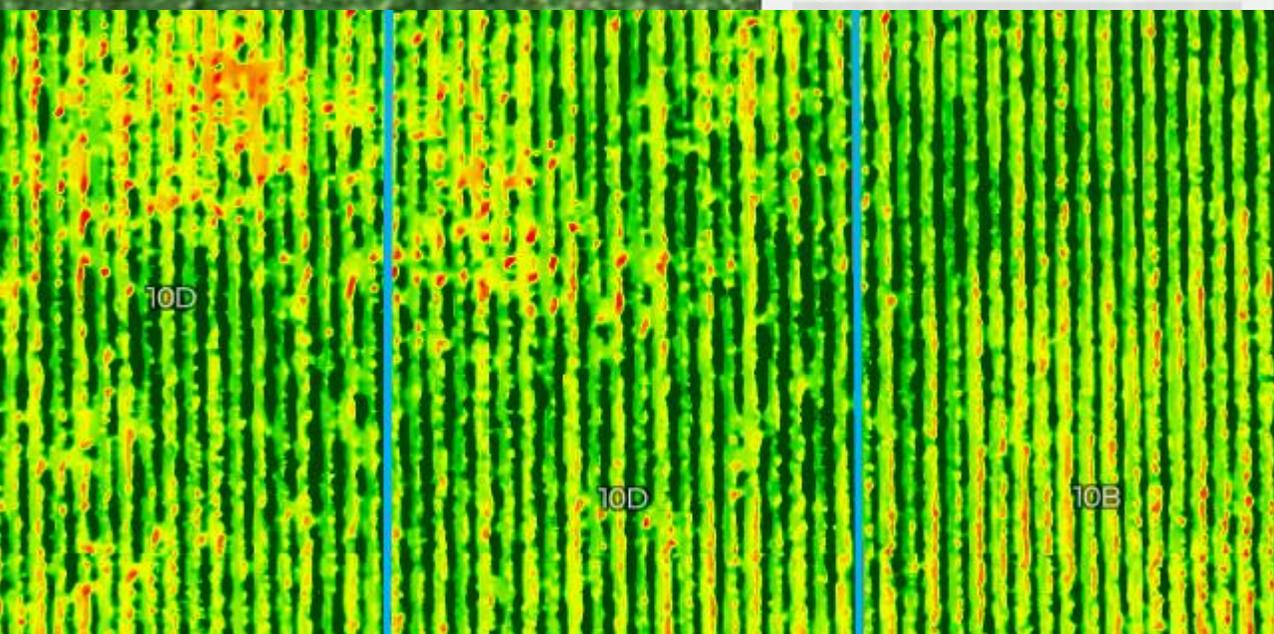
Resolution: 2mm/px

Speed: (auto)m/s

Imagery Examples

Clockwise from below

- Weed detection
- Water stress identification
- Cranberry counts



DEM Controls

Filter Imagery by Res (cm) CLEAR



Available Imagery (2)

8/08 - 11:17 CDT
25' (0.5 cm res)

8/07 - 10:41 CDT
400' (8.5 cm res)



INTERESTED?

Contact Us Today to Learn More or Schedule an On-site Demo

www.american-robotics.com

