VS3 BOT™ Series Data Sheet

SpaceBot™

Partner: IBM Maximo, IBM Weather Company

Applications

Global monitoring of environment and infrastructure utilizing Geographic Information System (GIS) for mapping, macro-weather, and tracking Transmission & Distribution assets

Deliverables

Multispectral imagery in visible light and near-infrared spectra with spatial resolution as low as 50cm

Data Acquisition

Once a year, additional sweeps on demand

SkyBot™

Partner: GeoG2

Applications

VAMS vegetation regrowth surveillance, agronomy and crop management, mapping and infrastructure inspection (i.e. pipelines)

Deliverables

Multispectral imagery in visible light, near-infrared, and thermal spectra with spatial resolution as low as 1cm depending on requested and permissible altitude

Data Acquisition

4 times a year, additional sweeps on demand. Depends on performance maneuvers, dynamic stability and weather forecast

BigBot™

Partners: FLIR Systems, Davis Instruments, Irrometer, Ripl

Applications

Vegetation Abatement Management System (VAMS)™, Vegetation Survey and Surveillance System (VS3)™, Early fire detection, down power line detection, local surveillance, local weather

Deliverables

Micro weather data, soil moisture readings, multispectral imagery in visible light, near-infrared, and thermal spectra with spatial resolution as low as 1mm depending on object distance from installation

Acquisition

Automated multiple times daily and also on demand

MiniBot™

Partner: FLIR Systems, Lucint Systems

Applications

Vegetation Abatement Management System (VAMS)™, Vegetation Survey and Surveillance System (VS3)™, down power line detection, tree assessments, Transmission and Distribution asset inspection

Deliverables

Multispectral imagery in visible light and near-infrared spectra with spatial resolution as low as .5mm depending on proximity to objects

Data Acquisition

On demand depending on local weather conditions, 2-3 times annually for tree inspection

Features

37 minute flight time, 1.8 mile range, collision avoidance system

BeeBot™

Partner: FLIR Systems

Applications

Vegetation Survey and Surveillance System (VS3)™, down power line detection, tree assessments, Transmission and Distribution asset inspection

Deliverables

Multispectral imagery in visible light and thermal spectra with spatial resolution as low as 1mm depending on proximity to object

Data Acquisition

On demand depending on local weather conditions, 2-3 times annually for tree inspection

Features

25 minute flight time, automated route planning, collision avoidance system, pocket-sized