

Equipment & Software

Northern
Hardwoods
Research
Institute





Our Equipment

The Northern Hardwoods Research Institute is well equipped in state-of-the-art technology and has the capacity to capture data with a multitude of platforms and sensors with a high degree of precision.



**DJI
Mavic 2**



**Sensfly
Ebee X**



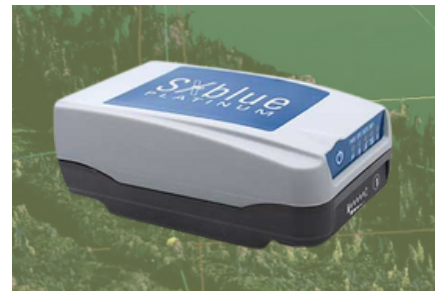
**LiairV70 LiDAR on
DJI M300 UAV**



**Topcon FC-500 HiPer
SR Kit + Rover and Base**



**FARO Terrestrial
LiDAR Laser Scanner**



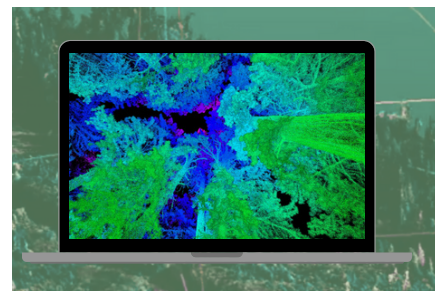
**SXblue
Platinum**



**DJI Phantom 3
Advanced**



**Tetracam ADC Lite
Multispectral Camera**

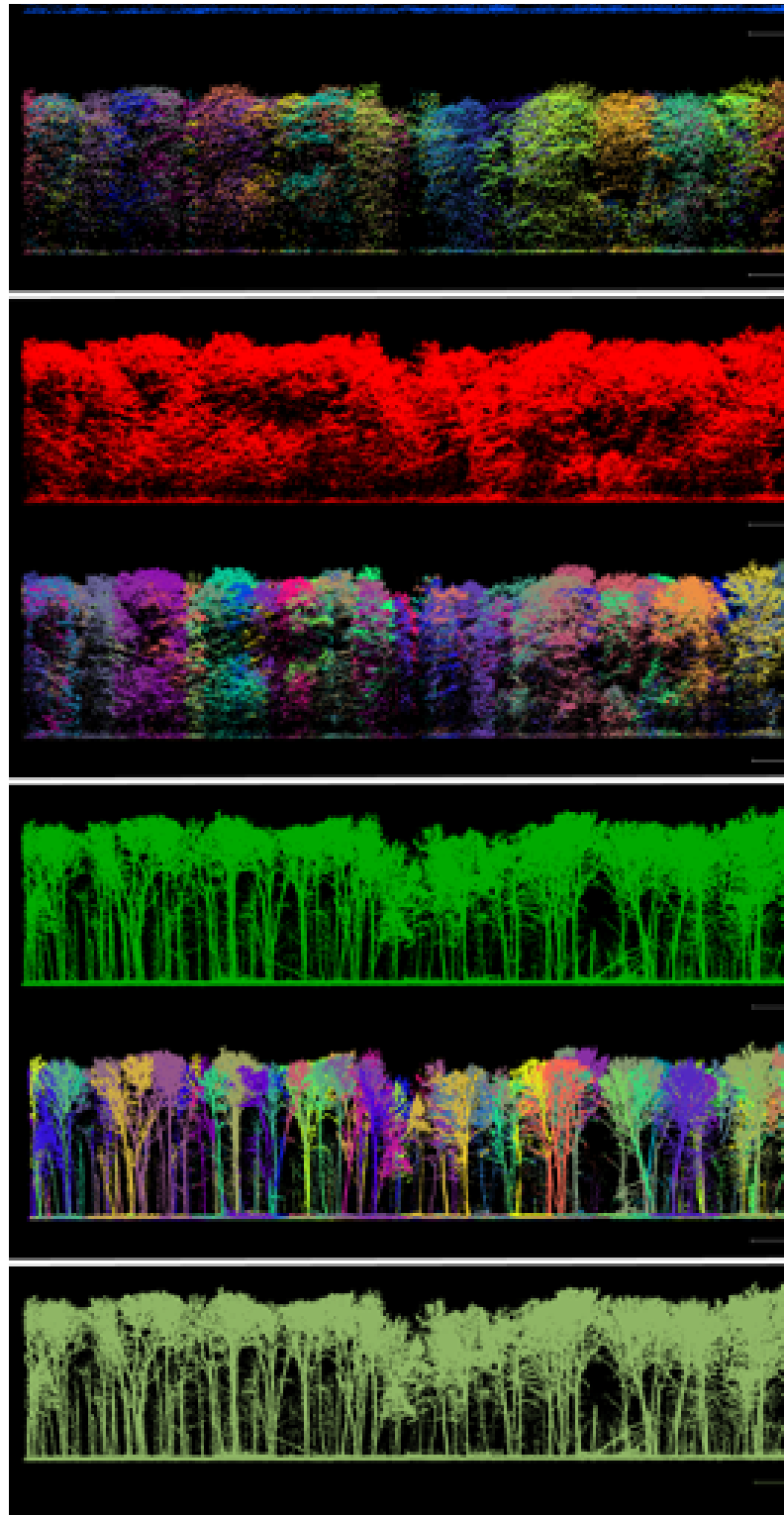


**3D Visualization
Computer Station**



Our Software

- Pix4D and Pix4Dmapper (UAV planning)
- eMotion (pre-flight and flight preparation software)
- Mission Planner (UAV planning)
- Scene (pre-processing of terrestrial LiDAR data)
- Toolbox for LiDAR Data Filtering and Forest Studies (TIFFS; analysis and extraction of LiDAR data)
- Pixel Wrench (multispectral image processing for Tetracam images)
- AgiSoft Photoscan (production of mosaics and 3D models from images)
- Drone Harmony
- GSF Sondage, GSF NAV (Forest inventory software, data transfer from ArcGIS and GPS systems)
- Global Mapper (GIS, LiDAR and images processing)
- ArcGIS Pro (Survey 123 and Field Map)
- DJI Pilot
- LI 360
- LiGeoreference





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