

NDBCI UAS Program

2020 review





The North Dakota Bureau of Criminal Investigation Unmanned Aerial Systems (UAS) Team is comprised with multiple Special Agents throughout the State of North Dakota.

These Special Agents are all certified with the FAA under part 107. Part 107 Certificate will allow our pilots to fly day or night UAVs in the United States for Law Enforcement operations while following the guidelines set forth in NDCC, search and seizure and FAA regulations.



Airframes

Phantom 4 Pro

The Phantom 4 Pro is the work horse of NDBC. The Phantom has a camera used to photographically document aerial images and video of crime scenes, traffic accidents, natural disasters, fire/arsons, etc.

The camera sensor is still the best sensor used to collect images and import those images into a program we use Pix4D. This images can be used to create a 3D environment for reconstruction of a scene. The scene reconstruction can be used to measure points anywhere in the image and give an accurate measurement.





Pix4D





Airframes

Matrice 210 V2

The Matrice 210 V2 is an ideal UAV platform for a range of law enforcement missions to include Search and Rescue, Fleeing Subjects, Active Fire calls/Arson, Missing Persons, Over watch Surveillance, Tactical Reconnaissance for SWAT Teams, Search Warrants, etc. This airframe has been used to assist other law enforcement agencies in North Dakota with Amber and Silver Alerts.

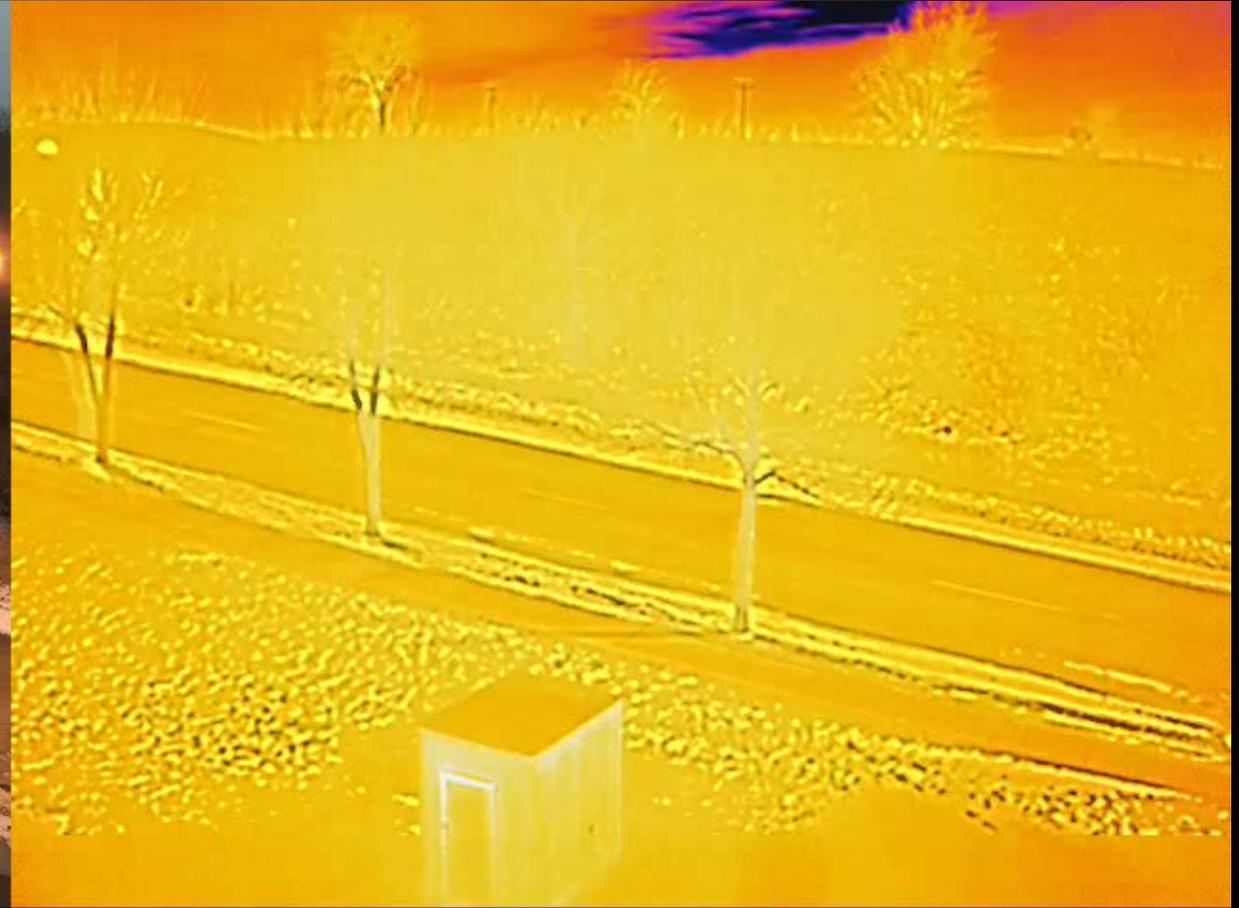
The Matrice 210 V2 used a dual gimbal configuration allowing it to use up to (2) different sensors at once. Currently NDBCI use these drones in conjunction with a Z30 optical zoom camera and a XT2 FLIR camera.





XT2 Thermal Camera

By FLIR





Z30 Zoom Camera

Can zoom in at 180%





Continuing to Assist Agencies in North Dakota

Since the creation of the NDBCI UAS Team, the NDBCI have seen numerous successes. The NDBCI has actively assisted several agencies with Missing Person and Search and Rescues. The NDBCI have also assisted Federal Law Enforcement Agencies with border protection and active crime scenes to aid in their investigations.

The NDBCI has taken an active part to train Law Enforcement on UAS rules and regulations. The NDBCI have also trained with local Law enforcement agencies and Emergency Responders on search and rescue scenarios.

Lastly the NDBCI is continuing to strive to assist local agencies whenever we can. The NDBCI will continue to perform these duties safely and within the State and Federal guidelines.