



UNMANNED AIRCRAFT SYSTEMS THREAT CHARACTERIZATION LAB

LABORATORY INFORMATION FACT SHEET

CONTACT US:

Technology Transfer Office

Email: usarmy.pica.devcom-ac.mbx.t2@army.mil

v.01



The Unmanned Aircraft Systems (UAS) Threat Characterization Lab executes in-depth and comprehensive characterization of threat UAS in support of interagency development efforts to meet varied interagency Counter UAS capability needs.

TECHNOLOGY/FACILITY DESCRIPTION:

UAS Threat Characterization Lab assembles UASs to be utilized as test assets and to characterize commercial/Military UASs. Payload emissions, radar returns and optical interrogation techniques to measure

sensors are used as the way to characterize UAS targets. The lab develops and optimizes techniques to defeat the threat UASs or their payloads to have a mission kill can be used against our forces. In addition, Combat Capabilities Development Command Armaments Center (DEVCOM AC) can host Homeland C-UAS Test Events to evaluate sensors and systems in a realistic environment.



EQUIPMENT AND EXPERTISE AVAILABLE:

- Multi-rotor (Tarot 650, DJI S1000, DJI Phantom 2, InstantEye)
- Fixed-wing (Electri-stick, Flyzone Switch, Ranger, Anaconda)
- Equips UASs with cameras, autopilots, GPS devices, other test instrumentation and dummy threat payloads
- Experiment with UAV capture devices
- Trained and certified UAV pilots
- Analyze data and write test plans, procedures and reports