



# Capabilities Statement

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NAICS: 541745, 333310, 336419, 541330, 512110, 334220, 515120

FlightLine Films originated to solve complex aerospace imaging problems. We boast a unique collection of innovation environments designed with specialized capacity to deliver rapid prototypes in all types of communications and broadcast systems. We customize cutting-edge solutions for situational awareness, aerospace and sub-orbital imaging, long-range tracking and complex communication systems. By leveraging advanced testing capabilities and decades of industry expertise, we are uniquely qualified to help design all of your aerial imaging and data transmission systems.

For two decades, our team of skilled professionals has been committed to exceeding client expectations and delivering exceptional results for non-government agencies in the aerospace, entertainment and science sectors.

## CORE CAPABILITIES:

- **Imaging:** High-resolution, high-framerate imaging up to 8K.
  - Long Range Optical Tracking
  - Airborne cameras
  - EX rated launch pad cameras
  - UAS/Drones
  - Webcast production (Blue Origin, Stratos, Artemis)
- **Systems for Space Environments:** Ensure that all of your mission critical components operate as required.
  - Cameras
  - Transmitters
  - Recorders
  - Remote Control
  - Live video from crew capsules (Stratos, Space Selfie)
- **Communications:** Reliable secure voice, data, video communication systems for all hostile environments.
  - SatCom
  - Radio Interoperability
  - MESH Networks
  - Rover 6 Stinger MB
  - ATAK

## PAST PERFORMANCE:

- **Red Bull Stratos:** Commissioned to design, test, integrate and manage the camera system that live-captured this record breaking jump.
- **Artemis1:** Provided live 8K - 360 video streaming from multiple positions at Pad 39A at KSC, Integrated these streams and co-produced with Felix & Paul Studios and [MeetMo.io](http://MeetMo.io), the Artemis Ascending live show of Artemis 1's inaugural launch for Meta.
- **Blue Origin:** Provide Long Range Optical Tracking of Booster and Crew Capsule to apogee and back to Earth. Provide explosion-proof broadcast cameras for the launch tower that are approved to work in Hydrogen fuel areas. Provide Live Webcasting services of up to 27 cameras including live video from helicopters, drones, crew vehicles, etc. Designed live propellant tank video cameras that operate in cryogenic environments.
- **Samsung SpaceSelfie:** Designed real time imaging receive and send system for client's desire to send 20,000 5Mp images to space over the course of 12 hours. Designed, tested, and built flight vehicle to support imaging requirements in 90 days. Provided Program Management as well as Mission Management. Provided Mobile Mission Control Center.
- **Continuous Optical Tracking** of various rocket launches from Eastern (KSC, Cape Canaveral Space Force Station) and Western (Vandenberg Space Force Station) Ranges
- **Developed and implemented communication systems** for aerospace companies, facilitating seamless data transmission and real-time video streaming.
- **Contributed to research projects** with leading institutions, advancing the field of aerospace imaging and remote sensing.

## CONTACT INFORMATION:

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## DIFFERENTIATORS:

- Leaders in custom aerospace imaging solutions
- Extensive experience in capturing high-quality imagery and video footage in challenging aerospace environments.
- In-stock vacuum-rated components which are normally long-lead items.
- In-house Thermal Vacuum Chamber testing
- Rapid Prototyping testing and building of flight articles.
- Technological advancements: Integration of multiple and disparate communication systems into a single, easy-to-use operator station. Integration of multiple video feeds into a manageable display system.
- Customized solutions: Ability to tailor solutions to meet specific customer needs and project requirements.
- Reliable data transmission: Expertise in long-range and space-based data transmission systems for seamless communication. Equipment is in house and ready for deployment.
- Commitment to quality: Focus on delivering exceptional results through meticulous planning, execution, and post-processing techniques.
- Collaborative approach: Building strong partnerships with clients, government agencies, and industry stakeholders to foster innovation and achieve mutual success.

## PARTNERSHIPS & COLLABORATIONS:

- **Space Perspective.** We capture all internal and external activity on flight vehicles.
- **Blue Origin:** Serve both Mission Ops & mar-comm with camera system design/deployment, live launch webcasting and launch ops; Remi
- **TRL-11:** LEO & GEO camera design/deployment
- **Felix & Paul, Samsung:** Space Selfie

## RECOGNITION & PARTICIPATION

- **National Academy of Television Arts & Sciences - Emmy Award Winner 2012** - Outstanding Innovation in Broadcasting Technology for Red Bull Stratos.
- **8K Association; Member**
- **Society of Motion Picture and Television Engineers**
- **Co-Author** - Integrated Medical & Media Support Operations for Situational Awareness during Manned Stratospheric Balloon Flights - 84th Aerospace Medical Association conference · May 14, 2013