

HEIGHTENED SENSES

Uncrewed Aircraft Systems Consulting, Public Safety Support Services, Aerial and Ground Imaging,
Inspection Support, Mapping and Modeling

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Location: Sneads Ferry, North Carolina

Service Area: North Carolina and deployable across the
Southeast and Mid Atlantic

Company Snapshot

Heightened Senses is a mission focused uncrewed systems and imaging provider supporting public safety, infrastructure, construction, real estate, and enterprise clients with actionable visual intelligence. We deliver professional grade aerial and ground-based photo and video, inspection support imagery, and photogrammetry-based models and maps for documentation, situational awareness, planning, and asset understanding.

We operate legally and conservatively within applicable federal, state, and local requirements. When a project touches regulated surveying or engineering determinations, we coordinate with the client's licensed professionals and provide deliverables intended for visual documentation and measurement support, not boundary determination.

Core Competencies

Uncrewed Aerial Imaging and Data Collection

- RGB aerial photography and video for documentation, marketing, and operational awareness
- Night operations and low light collection for public safety and security support where authorized
- Repeatable capture for progress tracking and before and after documentation
- Rapid deployment imaging for storm impacts, insurance documentation, and incident support
- Public safety support tools include remote loudspeaker communications and scene illumination where authorized.

Inspection Support Imagery

- Roof, facade, tower, utility, and structure inspection support imagery
- High resolution stills and controlled orbit and reveal video collection
- Close range imaging with safety first stand off and operational risk management
- Deliverables designed for review by facility managers, insurers, contractors, and engineers
- Low light inspection support and night operations where authorized, including illuminated search and perimeter assessment.

Mapping and Modeling

- Orthomosaic style site maps and photogrammetry-based 3D models for visualization and planning
- Construction progress documentation and site condition reporting
- Asset documentation models for facilities, infrastructure, and historic preservation projects
- Ground based photography integration to improve model completeness and fidelity

UAS Consulting and Program Support

- UAS program assessment, SOP development, training support, and mission planning
- Public safety and enterprise adoption support including equipment selection and workflows
- Risk management and compliance minded operating practices aligned to FAA requirements

Key Differentiators

- Operational experience with repeatable, disciplined workflows
- Public safety and security mindset with clear communication and evidence-based deliverables
- Reduced risk inspection workflows using autonomous navigation and obstacle avoidance optimized for close in infrastructure operations.
- Multi platform access across inspection and mapping capable aircraft, reducing single point failure
- Professional imaging standards with both aerial and ground-based capture options
- Insured operations and client ready documentation practices

Platforms and Sensors

Current Fleet Access

- Inspection capable and mapping capable UAS platforms suitable for infrastructure, construction, and property documentation
- RTK capable mapping platform available for high accuracy workflows when the mission requires it
- Ground based camera systems for supporting imagery and model completion
- NDAA Compliant Skydio X10 with NightSense, integrated spotlight, and loudspeaker, on order and entering service soon.

Typical Outputs

- High resolution photos, cinematic video, and structured deliverable folders
- Progress sets with consistent angles and repeatable framing
- Orthomosaic style maps and photogrammetry models for visualization and planning
- Optional overlays and callouts for client understanding, such as parcel context provided by the client or their licensed partners

Quality, Safety, and Compliance

- FAA Part 107 Remote Pilot operations
- Mission planning, airspace checks, and documented risk decisions per job
- Client friendly deliverable structure and retention practices
- Important note: Heightened Senses does not present boundary surveys or surveying determinations unless working under the direction and stamp of a licensed surveyor or engineer retained by the client. Our mapping and modeling deliverables are intended for visualization, documentation, planning, and communication.

Past Performance Highlights

- Residential and commercial roof and exterior inspection support imagery
- Insurance style documentation for property condition and storm related impacts
- Photogrammetry models and orthomosaic deliverables for planning and documentation
- Public safety and training adjacent support with compliant operating practices

NAICS and PSC

- 541922 Commercial Photography
- 541690 Other Scientific and Technical Consulting Services
- 541330 Engineering Services support only when partnered with licensed professionals
- 611430 Professional and Management Development Training
- 561990 All Other Support Services
- R499 Other Professional Services
- R425 Engineering and Technical Support
- U099 Education and Training Other

Corporate Data

Legal Name	Heightened Senses LLC [or exact legal name]
UEI	SSZREV67GJK5
CAGE	9XFG8
SAM Status	Active Registration

Insurance

- One million dollars UAS liability coverage

Prepared: January 12, 2026