



HeliIncLink™

A Helicopters Inc. airborne Starlink data solution.

Mission-ready broadband for live video, data, and communications. Engineered for rotorcraft. Installed, validated, and supported by Helicopters Inc.



**ELECTRONIC NEWS
GATHERING
LIVE VIDEO**



**PUBLIC SAFETY
LAW ENFORCEMENT
FIREFIGHTING**



**UTILITY
ENERGY
OFFSHORE**



**CORPORATE
PASSENGER
VIP**

One system. Multiple mission profiles.

Configured for Public Safety, Electronic News Gathering, Utility, and Passenger operations.

An airborne Starlink solution, engineered for helicopters, by Helicopters Inc.

- ✓ Rotorcraft-rated mount that is engineered intentionally for rotorcraft vibration, heat, attenuation, and structural loads.
- ✓ Airframe-specific wiring, cabling, and power integration designed and built in-house.
- ✓ FAA approved installation package with engineering, documentation, and flight validation.
- ✓ Workflow integration: video encoders, VMS/ command, data routing, cabin Wi-Fi.

*Redundant dual-antenna, low-profile,
cockpit setup shown*



Mission Configurations

ENG + Live

- Live feed delivery via H.264/H.265 encoders with low latency.
- SRT/RIST/RTMP/UDP supported.
- Redundancy options available.

Public Safety

- Encrypted Low-latency video + overlays to command.
- Integrates with VMS/dispatch.
- Live stream across ground platforms (cellular phones), and privately store data on internal servers.

Utility + Infrastructure

- Inspection, mapping, EO/IR, telemetry.
- Upload clips or data bursts - realtime.
- Built for repeatable routes and data collection.

Passenger + Corporate

- In-cabin connectivity for crews/guests.
- Suitable for telephone or video connections
- Secure routing with VPN support.
- Scales from Wi-Fi to mission networks.

Q&A

Tech Q&A for rotorcraft Starlink-enabled airborne broadband

Does the package include the Starlink data plan?

No. HeliIncLink covers aviation Starlink hardware, mounts, cabling, aircraft installation, support, and workflow integration.

Starlink service is separate and billed monthly with management and component support beyond the warranty.

How is this supported?

Helicopters Inc. keeps your airborne link operational after install: troubleshooting, logistics, labor, and accountability - not just parts.

What does the Helicopters Inc service cover?

If it breaks, we fix it. If it fails, we swap it. We find the solution.

- End-to-end workflow support (video, audio, data path).
- Manage Starlink subscription + keep the plan active.
- RMA + replacement logistics (shipping, tracking, swaps).
- Warranty-style support beyond OEM parts: labor, configuration, readiness.

Why this isn't "just buying Starlink"

Rotorcraft are complex engineering marvels. HeliIncLink includes:

- Rotorcraft mount engineered for vibration, heat, attenuation, and loads.
- Airframe wiring + power integration built in-house.
- FAA-compliant install + flight validation.
- Real-world testing across aircraft and mission profiles.

What throughput and bitrate should I plan for?

Depends on mission and encoder settings. Starting points:

- ENG: **6-15 Mbps** for 1080p contribution (H.264).
- Public Safety: **3-8 Mbps** is common (low latency + overlays).
- Utility: stream when needed; otherwise record and burst-upload.

How much data will we use?

Rule of thumb: **1 Mbps sustained** is about **0.45 GB per hour**. Add **10-25%** overhead for protocol + retransmits.

- **5 Mbps** (LE typical): **~2.25 GB/hr**
Plain English: ~220 hrs/month on a 500 GB plan.
- **10 Mbps** (ENG H.264 typical): **~4.5 GB/hr**
Plain English: ~110 hrs/month on a 500 GB plan.
- **15 Mbps** (HQ ENG): **~6.75 GB/hr**
Plain English: ~74 hrs/month on a 500 GB plan.

Quick multiplier: double the hours on a 1 TB plan.

What packet loss is acceptable?

We have tested and can demonstrate **<1%** sustained. Short spikes happen; and good encoders recover. Anything above **2-3%** and you'll see artifacts or drops.

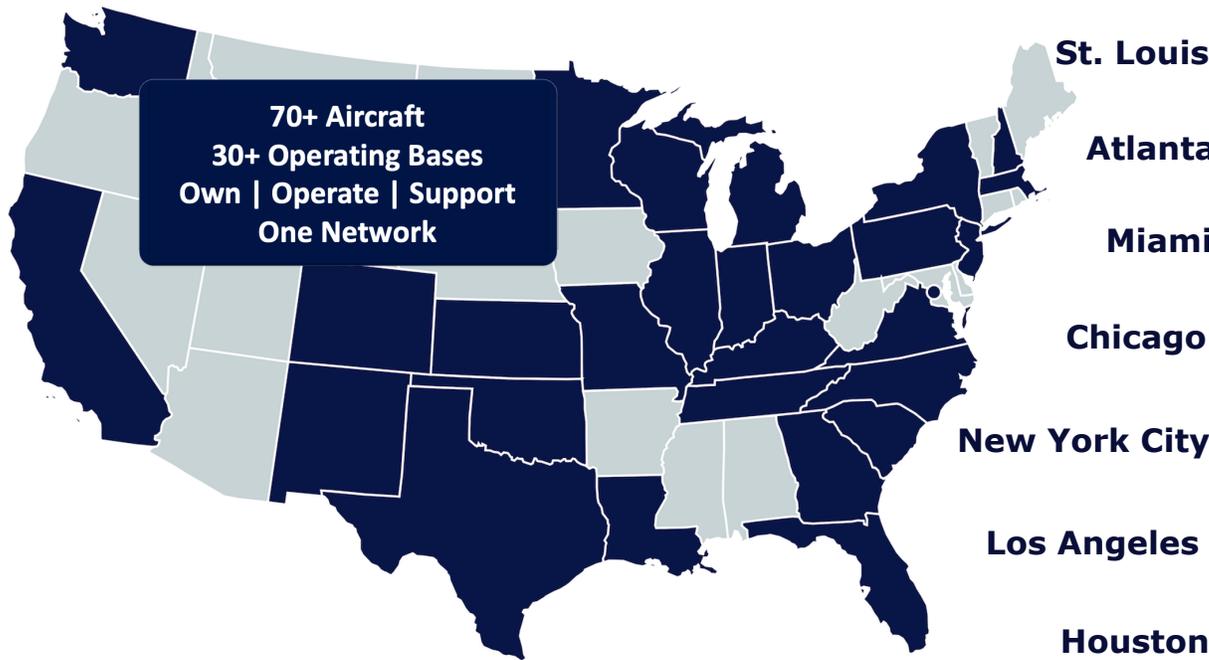
Encoding formats & transport

Common options:

- Video: H.264 or H.265 (HEVC) - CBR/VBR per workflow.
- Transport: SRT/RIST, RTMP, or UDP depending on mission tools.
- Signal path: SDI/HDMI to encoder; direct-to-command/VMS; stream + store for utility.

Performance varies with coverage, plan, aircraft configuration, line-of-sight, and weather.

Backed by one national network.



Helicopters Inc. Hubs



What's included

1. Aviation-rated Starlink mount engineered for rotorcraft vibration and loads.
2. Airframe wiring + power integration built in-house.
3. FAA-compliant installation package + documentation.
4. Workflow integration (ENG, Public Safety, Utility, Passenger/Corporate).
5. Ongoing operational support via the Helicopters Inc. support network.

Helicopters Inc. Network Operations Center

- End-to-end workflow support (video, audio, data).
- Hardware sustainment: labor, setup, shipping, swaps, tracking.
- RMA + replacement coordination to keep the system operational.
- Subscription management + support coordination (keeps the link active).
- Built to keep your system ready for every flight.

Ready for a demo flight or integration review?

We map your workflow requirement and offer your solution.