Hughes HeloSat

Uninterrupted Signal.
Unmatched Expertise.

With Hughes HeloSat, beyond line of sight communication is no longer beyond what’s possible for helicopters. HeloSat is a proven and innovative system of systems that delivers 360 degrees of in-flight connectivity with no interference from rotor blades.

BLoS Without Blind Spots
Hughes HeloSat enables rotary wing aircraft to communicate farther than ever before. The system’s innovative waveform technology overcomes rotor blade interference and provides the tactical edge mission success requires.

Hughes HeloSat is easily customized for any rotary wing platform, regardless of the number of blades or where the antenna needs to be installed. Hughes HeloSat is offered with an easy roll-on/roll-off or fixed installation. Regardless of configuration, users can count on Hughes to deliver high throughput speeds for HD Video, sensor data, VoIP and other critical data with zero packet loss.

With an open architecture system approach, HeloSat can use a variety of antennas to support multiple mission sets including ISR, border security, law enforcement and disaster response. The flight-proven system is mission-ready to meet any specific requirements.

Hughes HeloSat provides connectivity between the blades, enabling line-of-sight and beyond-line-of-sight communications.

Learn more at government.hughes.com
Tested. Proven. Ready.
The Hughes Helosat Solution operates over multiple frequency bands and has been successfully tested on multiple rotary wing aircraft, including:

Blackhawk UH-60
Chinook CH-47
K-1200 K-MAX
Bell 407
Bell MRH407
V-22 Osprey
AS350 Écureuil
315B Lama
Bell 412

Mission-Critical Performance Applications
Hughes HeloSat supports a wide range of vital, technically demanding applications, including:

- ISR
- Border Security
- Search and Rescue
- Law Enforcement
- Disaster Response
- Mine Hunting

“The first time we flew it, it worked.
The second time we flew it, it worked.
The third time we flew it, it worked. It just works.”
– Aviation Executive