SMALL UAV SATCOM

The first high-speed global satellite communications system for small unmanned aerial vehicles.

Honeywell

HONEYWELL SMALL UAV SATCOM SEES BEYOND VISUAL LINE OF SIGHT

Reduced size and weight give small UAVs the same capabilities as much larger aircraft.

Leave it to Honeywell – the global leader in connected aircraft solutions – to develop the first satellite communications system to meet the specific needs of small unmanned aerial vehicle (UAV) operators.

The Small UAV SATCOM is the world's lightest and most compact satellite communication system. But don't let its size and weight fool you. The Small UAV SATCOM is packed with all the high-speed broadband capabilities you need to accomplish your mission anywhere in the world.

The Honeywell system is fast, reliable and always available. It gives you the ability to send and receive data beyond visual line of sight (BVLOS), which means you can send command and control instructions to aircraft operating half a world away, view live streaming video from the drone's cameras or download any other data the UAV has collected.

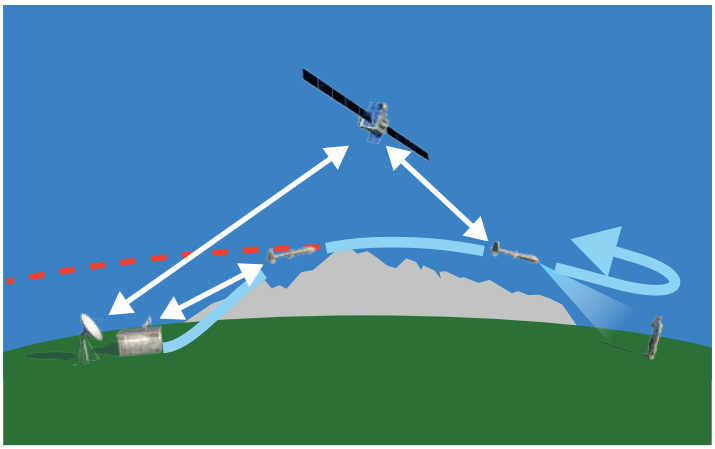
SMALL UAV SATCOM DELIVERS HIGH-SPEED FLEXIBILITY

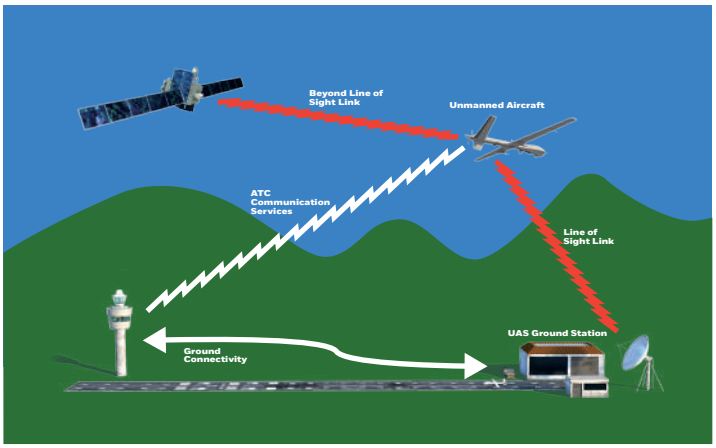
In the past, small drones have been hampered because they operated on line-of-sight networks with limited range. As a result, drones and their pilots had to be within a few miles of each other, with no major obstacles in between.

Honeywell's Small UAV SATCOM system operates on the fast, secure and ultrareliable Inmarsat SwiftBroadband high speed satellite network (SBB). That means the system can send and receive high-speed signals from any spot on the globe where it can "see" an SBB satellite. The system is capable of speeds up to 200kbps, which is just as fast as the SATCOM systems on many large commercial and military platforms.

FEATURES

- Real-time surveillance
- The world's smallest, lightest Inmarsat UAV solution
- Highest-performing SATCOM solution of its size, weight and price
- Proven SATCOM solution for air, land and sea
- Reliability, dependability and secure
- Low power





SATCOM Enabling C2 and Video Behind Obstructions

SATCOM EXPANDS THE SMALL UAV MISSION PROFILE

With a Small UAV SATCOM system onboard, small drones can tackle a much wider range of missions, limited only by their fuel reserves. For example:

- An oil company, utility or farming enterprise can use a drone to conduct field inspections or deliver critical materials to remote sites, hundreds of miles away from the aircraft's pilot.
- A defense or homeland security team can send a critical part to reservists during a training exercise or keep an eye on the border with video or infrared cameras, from the next state.
- First responders can get a real-time bird's eye view of a fire, accident or medical emergency from a distant command post well before the rescue team arrives.
- Disaster-relief agencies can ferry supplies to flood, hurricane or earthquake victims and assess the damage with streaming video, from anywhere in the world.

SIZE AND WEIGHT MAKE ALL THE DIFFERENCE

The Small UAV SATCOM system is the smallest, lightest satellite communications system of its capability ever produced, which makes it ideal for small drone applications where size and weight are always at a premium.

The system consists of a SATCOM terminal that weighs just 2.2 pounds – 30% less than the next-smallest system on the market, taking up about as much space as a few stacked smartphones, and utilizing less power than other comparable SATCOM systems.

THE HONEYWELL DIFFERENCE

Honeywell pioneered satellite communications technology more than four decades ago. Today, we're the leading provider of connectivity solutions including products, services and software solutions for all kinds of commercial and military aircraft.

The Small UAV SATCOM system was designed with the drone manufacturer, services provider and end user in mind. It's an integrated solution that includes innovative hardware and flexible, affordable data service options from Honeywell Forge, our unique connectivity, flight services and data analytics platform.

SPECIFICATIONS	
Terminal Class	15
Max Data Rate	200 Kbps
Tx Power	11.4 dBm
Coverage	Inmarsat BGAN (L-Band)
GPS	Yes

IP Background Data Conectivity Streaming, 8, 16 and 32 Kbps

SPECIFICATIONS	
Weight (SATCOM Data Unit)	510 g
Weight (Antenna)	484 g
Size (SATCOM Data Unit)	5.5"x2.9"x1.9"
Size (Antenna)	5.6"x4.4"x2"
Power	
Standby (connected to network)	17W
Typical (100 Kbps)	44W
Maximum	53W
Recommended Supply	28V

Find out more
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