



The Cobham SATCOM AVIATOR UAV 200

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Cobham SATCOM: Cobham SATCOM Announces Successful Video Trials over AVIATOR UAV 200

Terminal passed important data for BLOS UAV applications in independent work by AnsuR Technologies and Barnard Microsystems

AUVSI XPONENTIAL, Dallas, Texas, Booth 1631 – Cobham SATCOM has announced successful live video transmission trials over the AVIATOR UAV 200 low SWAP satcom terminal.

Working independently with AnsuR Technologies in Norway and Barnard Microsystems in the United Kingdom, the satcom terminal has passed strategically important video data, a great value multiplier for BLOS UAV operational scenarios.

Using Inmarsat's recently launched SB-UAV service, both companies have passed good quality live video over what is considered a very low bandwidth link for this type of application.

Andrew Legg, Regional Sales Director for Cobham SATCOM, said: "Full HD video at 1 fps or 800 by 600 at 6 fps is a significant value and strategic enhancement for LALE UAV's that would typically be flying blind when beyond the range of high bandwidth point to point links. This allows these small tactical UAVs to operate in mountainous areas or in long range out-and-back applications whilst offering the operator a massive advantage of real-time situational awareness. The ability to re-task the platform real-time is very important. It helps to drive costs down and mission efficiencies up.

"While these low resolution or low frame rate video transmissions will of course not meet all customer requirements, we have to remember that it is not the video technical specification that is important, it's all about the content or information contained in the transmission and whether that adds value to the mission."

The AVIATOR UAV 200 is a contended bandwidth 200 kbps all in one LRU solution operating on the Inmarsat SwiftBroadband network. With a single contract, no rain fade in L-band and global coverage excluding the poles, it leverages the proven reliability of the Inmarsat network to offer the lowest size, weight and power system of its type by a huge margin. Whether it is used for full C2, backup C2, sensor data, or imagery transfer, it is a game changer in the LALE connectivity marketplace. It consumes less than 28 Watts of power and weighs just 1.45kgs. With no ITAR restrictions, the unit is commercially available and shipping to customers globally today.

Harald Skinnemoen, Founder and CEO, AnsuR Technologies, said: "AnsuR Technologies has been developing software solutions for mission-critical operations for a decade, including flying the first UAV with the Cobham SB200 aero satcom terminal. With improved best-effort communication capacity over Inmarsat, and the ease of integrating it with our software, the AVIATOR UAV 200 terminal was exactly what we were looking for to

successfully provide customers a long range photo and video communication capability via satellite even for UAVs under 25kg."

Dr Joseph Barnard, Managing Director, Barnard Microsystems Limited, added: "Our technical staff installed the Cobham AVIATOR UAV 200 satcom terminal on our Panchito medium range Remotely Piloted Aircraft within five working days of receiving the unit, including the interfacing of the navigation information from the Panchito Flight Management Unit. Three working days later we relayed compressed video at 1 to 4 frames per second via the Cobham AVIATOR UAV 200 terminal using the Inmarsat SwiftBroadband satellite data relay service at data throughput rates from 110 kbit/sec to 190 kbit/sec, using the less expensive contested or shared service option.

"Our technical staff were impressed with the lightness, the low electrical power draw and the superb performance of the Cobham AVIATOR UAV 200 terminal, based on our experience with a range of other airborne and land based satcoms terminals. The Cobham AVIATOR UAV 200 is our satcom terminal of choice for our Panchito RPA, which is used in civilian mapping and monitoring applications, and as an Electronic Support Measures and Monitoring RPA in military applications."

Cobham SATCOM is attending AUVSI XPONENTIAL from May 8 to 11 where visitors are invited to visit Booth 1631 to discuss the AVIATOR UAV 200 capabilities.

For further information please also visit www.cobham.com/satcom.

Ends

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About Cobham SATCOM

Our satellite and radio communication terminals perform in the most challenging and remote environments on land, at sea and in the air.

We design and manufacture these high performance products under the AVIATOR, EXPLORER, SAILOR and Sea Tel brands providing customers with outstanding performance, value and support through our global sales and service network.

About Cobham

The most important thing we build is trust.

Cobham is a leading global technology and services innovator, respected for providing solutions to the most challenging problems, from deep space to the depths of the ocean.