

High Eye HEF32 UAV Helicopters Come With Silvus StreamCaster Wireless Radios Systems

Silvus provides a MN-MIMO RF method of bi-directional connectivity between land-based pilot and airborne drone for High Eye.

LOS ANGELES, CA, UNITED STATES, May 3, 2017

/EINPresswire.com/ -- Remotely piloted air systems are one of the fastest growing industries. In anticipation of nearly limitless applications in military, commercial, broadcast and other industries, [Silvus](#) is providing a MN-MIMO RF method of bi-directional connectivity between land-based pilot and airborne drone for High Eye. Silvus' radios use strategically placed antenna to tap into frequency bands with a proprietary, sophisticated signal processing on sender and receiver sides.

"We are excited to announce that all the [HEF32s](#) being produced today are equipped with the Silvus [StreamCaster 4200](#) system," said High Eye's Commercial Director, Engineer and Pilot, Marijn van de Ruit. "We had continuing issues with other radio-based systems and Silvus demonstrated a level of performance that was in a whole different league when compared to the others."

High Eye's HEF32s are manufactured with the SC4200 to create a primary communication link between a ground station and the advanced UAV system. The radios transmit control, telemetry and payload data, all of which is critical for ensuring a smooth flight.

"The Silvus radios perform flawlessly, and we use them for direct communication or to set up relays in more demanding applications," said van de Ruit.

Each SC4200 is encased in a rugged, small enclosure with the latest 2x2 MN-MIMO RF technology. Using the most advanced methods available, they work in tandem with ground antenna to create an ad hoc, self-forming/self-healing mesh network that is tenacious in its ability to establish wireless connectivity no matter the distance or terrain. Silvus utilizes transmit beamforming that nearly doubles the signal range. Complex spatial multiplexing works behind the scenes to increase throughput, while space-time coding enhances overall robustness. Data rates up to 100+ Mbps are supported and the system includes up to 128GB of on-board storage. All communications are bi-directional with ultra low latency including HD video, PTT and data. Ethernet, USB and RS-232 ports are included.

“

The Silvus radios perform flawlessly, and we use them for direct communication or to set up relays in more demanding applications.”
Marijn van de Ruit



Tactical Handheld w/ Battery

All HEF32s being produced today are equipped with the Silvus StreamCaster 4200

"The main benefit of Silvus radios is their ability to provide a reliable, very robust communication link for our UAV systems. They also provide a very high level of flexibility for adaptation to

customer-specific requirements by being able to be tuned to a wide variety of frequency bands available for purchase,” added van de Ruit.

When High Eye’s HEF30 helicopter underwent a major upgrade last year, it was recreated to pass through stringent MIL-STD-461F-RS103 certification tests with the SC4200. Now, the HEF32 boasts greater endurance up to 4.5 hours, and a larger take-off weight of up to 21 kilograms. All HEF32s are EMI shielded and water- and dust-resistant for added resilience. They are equipped to handle a more diverse range of applications, including ballistic recovery, parachute and aviation navigation. The first HEF32s are available in Summer 2017.

Moving forward, High Eye is implementing the Silvus StreamCaster 4400, just released, into its ground station with a sector array as a tracking solution. Together, Silvus and High Eye aim to empower UAV pilots with cutting-edge technology that ultimately makes them more effective flyers.

Linda Morgan
Silvus Technologies
805 640 5391
[email us here](#)

This press release can be viewed online at: <http://www.einpresswire.com>

Disclaimer: If you have any questions regarding information in this press release please contact the company listed in the press release. Please do not contact EIN Presswire. We will be unable to assist you with your inquiry. EIN Presswire disclaims any content contained in these releases. © 1995-2019 IPD Group, Inc. All Right Reserved.