

Phase One Unveils Wide-Area, 120MP Aerial Camera with Global Shutter Sensor Technology

Designed for National Security, Geospatial Intelligence, Search & Rescue Applications

COPENHAGEN, 17 January 2022 – Phase One, a leading developer of digital imaging technologies, today announced the iXM-GS120 aerial camera built to meet the demanding needs of national security and geo-intelligence gathering projects. Designed for use on unmanned aerial vehicles (UAVs), fixed-wing aircraft, and helicopters, the iXM-GS120 is the first wide-area, 120MP resolution camera designed around advanced global shutter sensor technology.

“Phase One designed the iXM-GS120 for reliable, maintenance-free operation in lengthy missions in remote areas, which often typify national security and intelligence gathering activities,” said Dov Kalinski, Phase One Vice President of Security & Space.

“For traditional inspection and mapping applications, geospatial users will find the new camera captures massive volumes of high-quality imagery efficiently and cost effectively.”

The iXM-GS120 underscores the Phase One commitment to pioneering development of reliable and innovative aerial imaging solutions. The single-sensor design combined with 120MP resolution guarantees fast collection of detailed information over a wide area of interest in every frame, reducing flight times and enhancing effectiveness. With regards to processing, this design also eliminates the time-consuming stitching together of image scenes from multi-sensor camera systems.

The new camera is the most productive airborne system ever developed by Phase One. Integrating a CMOS global shutter sensor, the iXM-GS120 boasts a remarkable seven frame-per-second capture rate and broad dynamic range. The high-sensitivity, low-noise technology gives the camera an ability to collect data in low-light conditions, thereby expanding its operating window by several hours per day.

Available in RGB color and monochrome versions, the iXM-GS120’s range of applications is further broadened by an expansive selection of Fields of View for operation at numerous different aircraft altitudes and speeds. Compatible fields of view include a range of lenses from 35mm to 300mm.

“The iXM-GS120 was created for applications where every image frame is critical,” said Kalinski. “In national security activities, the iXM-GS120 will reliably handle long missions related to wide-area persistent surveillance (WAPS), geospatial intelligence (GEOINT), search-and-rescue, and other intelligence surveillance reconnaissance (ISR).”

Weighing just 630 grams, the compact camera body mounts easily on a wide range of platforms, including Group 3 tactical unmanned aircraft for long endurance operation.

Learn more at https://phaseone.ws/security_and_space

Watch video: https://phaseone.ws/ixm_gs120_video

About Phase One

Phase One A/S is a leading researcher, developer and manufacturer of medium format and large format digital cameras and imaging Systems.

Founded in 1993, Phase One is a pioneer of digital photography. Phase One has developed core imaging technologies and a range of digital cameras and imaging modules, providing the world's highest image quality in terms of resolution, dynamic range, color fidelity and geometric accuracy. As such, Phase One has grown to become the leading provider of high-end imaging technology across many demanding business segments, such as aerial mapping, industrial inspection and cultural heritage digitization, as well as serving the world's most demanding photographers.

Based in Copenhagen, Denmark, and with regional offices in New York, Denver, Cologne, Tel Aviv, Tokyo, Beijing, Shanghai and Hong Kong, Phase One nurtures long-term relationships with customers, technology partners and its global network of distributors, often playing the role of digital imaging partner to customers with special requirements. It is with this passion for service that Phase One continually exceeds expectations and drives the imaging industry forward.

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Phase One

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