

Phase One Industrial Innovates UAV-based Aerial Imagery *Launches iXM Metric Cameras and Motorized Lenses*

COPENHAGEN, April 30, 2018 — Phase One Industrial today launched the iXM series: a breakthrough aerial camera platform driven by the world's fastest medium-format imaging sensor. Engineered for UAV-imaging missions, the iXM 100MP is a high-productivity metric camera with a range of high-resolution lenses. The iXM is ready for integration with a wide range of UAV platforms, including Phase One's DJI Matrice 600 Pro solution.

The iXM 100MP metric camera incorporates the first medium-format sensor with backside-illumination technology, enabling high light sensitivity and extended dynamic range. Fast, highly responsive, robust, and weatherproof (IP53 compliant), the iXM 100MP delivers superior quality aerial imaging and flexible operation to satisfy diverse mapping, surveying, and inspection applications.

Also today, Phase One announced four new specially developed RSM lenses – with focal lengths ranging from 35mm to 150mm – to seamlessly fit the new sensor's 3.76µm pixel size and 33x44 mm frame size, ensuring image sharpness across the entire FOV. The lenses are available with either fixed-focus or motorized-focus functionality.

The *fixed-focus* 35mm and 80mm lenses provide superior image radiometric quality, high ground resolution, and large coverage – perfect for surveying applications.

The *motorized-focus* 80mm and 150mm lenses are ideal for a wide range of inspection applications, including electricity poles, wind turbines, bridges, and other private-sector or government structures.

Motorized-focused lenses, having no external moving parts, enable a number of new uses for inspection applications where the focusing distance can be predefined based on flight planning, or by the operator, using a wireless remote control. With the motorized lens, the camera captures sharp and highly detailed images of multi-distance or 3D objects.

The cameras' RSM lenses incorporate a new leaf-shutter technology, which supports 3 fps capture – with a speed of 1/2500 sec – while guaranteeing 500,000 actuations. The lenses are thermally stable to ensure consistent focus over a wide range of temperatures and flight altitudes. With optics designed to exploit the full benefits of the new sensor technology, the lenses provide with greater productivity, flexibility, and reliability, offering superb image quality.

The new iXM platform adds XQD high-speed storage technology to handle the sensor's extremely fast frame rate. Also on all cameras, HDMI output from actual exposure provides UAV operators simple and outage-free feedback of actual view, exposures, and camera status in overlays. In addition, the new platform includes USB-C and 10G Ethernet for versatility of connectivity to large UAVs and aircraft.

For complete technical specifications, please see
http://industrial.phaseone.com/landing/The_New_iXM_Series.aspx

“Working with our UAV partners, we see a fast-growing market driven by great potential for time and cost savings over traditional inspection and surveying methods,” said Dov Kalinski, General Manager of Phase One Industrial. “With its new technology, design, and capabilities, the iXM 100MP promises to help start a new era in inspection missions with UAVs. Phase One Industrial continues to push technical boundaries to equip drones and larger UAVs with superior imaging technology – engineering advanced systems, cameras, and software – to help achieve that potential.”

Availability and Pricing

The iXM 100MP and iXM 50MP metric cameras are available today for advance order – from Phase One Industrial partners worldwide – with delivery in June 2018.

Pricing for the:

- iXM 100 MP camera: 32,000 Euro/40,000 USD
- iXM 50 MP camera: 17,000 Euro/21,000 USD
- Lenses: 8,000 Euro/10,000 USD

For more information regarding purchase options and partner locations, please contact us at: <https://industrial.phaseone.com/Contact.aspx>

About Phase One Industrial

Phase One Industrial is a division of Phase One A/S that researches, develops, and manufactures specialized industrial camera systems and imaging software solutions. The company focuses on specific applications such as aerial mapping and surveying, ground and aerial inspection, agriculture, machine vision and homeland security.

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NOTE: The Phase One Industrial iXM Aerial Cameras will be on view at AUVSI Exponential, Colorado Convention Center, Denver on May 1-3, 2018.

Visit Phase One Industrial at: Booth #1637

Note to editors: more photos are available upon request.

Phase One Industrial

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