Phase One iXH 150MP Camera System
Presents a Breakthrough for Cultural Heritage Digitization Projects

Instant Capture Technology Sets a New Quality Standard for Archival Reproduction

COPENHAGEN, March 25, 2020 – Phase One today launched the iXH 150MP Camera System with breakthrough high resolution single shot capture imaging technology, setting a new standard in efficiency and accuracy for high fidelity, high volume cultural heritage digitization projects.

Built around a 151-megapixel CMOS backside illuminated (BSI) sensor, the iXH 150MP camera delivers the highest available image resolution – enabling it to reach the benchmark of A0@300ppi scanning for flat objects, such as maps and drawings, in a single shot. The sensor's dynamic range (15 f-stops) boosts light sensitivity with very low noise, to capture the smallest details, and delivers unmatched color fidelity – rendering the exquisite accuracy required for preserving valuable artworks and precious books.

Its industrial build quality makes the iXH 150MP a high-volume workhorse, providing the fastest and most reliable data transfer via USB-C and 10G Ethernet options and flexible connectivity. This is enabled by the infinity platform -- a completely new powerful processing engine. The camera's electromagnetic mechanical reliance shutter guarantees at least one million actuations, and when using the electronic shutter this becomes virtually unlimited. The entire system is designed to maintain low working temperature, even during long days of continuous operation, ensuring consistent results.

Fully Automated, Repeatable Workflow
PPI-Assist functionality of the iXH 150MP Camera System accurately measures the distance to the object, records pixels per inch (PPI), Field-of-View and magnification, enabling easy positioning of the camera on any copy stand. In addition, when used with Phase One AutoColumn copy stands and Capture One CH, it is the only camera system on the market capable of automated positioning for a specified PPI.
Capture One CH offers complete camera control, reliable performance and expertly crafted RAW conversion algorithms, accompanied with unique productivity tools such as automatic cropping and alignment tools for documents and books, and an automated workflow for scanning negative film, saving precious time.

Brand new *UltraRes* 72mm Lens

A brand new Phase One-designed 72mm lens allows perfect sharpness at all magnifications, using groundbreaking UltraRes technology, optimized for 150MP and beyond. Both this new Phase One 72mm MkII and Schneider Kreuznach 120mm lenses offer the highest available resolution, flatness, sharpness and little to no distortion, to maintain color uniformity. Two

extension tubes – 21mm and 42mm – for the 120mm lens have been designed for close ups at higher resolution, ideal for capturing small objects and 35mm film.

"iXH 150MP Camera System is the ultimate solution that answers the needs of our most demanding customers" said Dov Kalinski, CEO of Phase One Industrial. "It combines breakthrough innovation from Phase One with best in class technology. As the demand grows for digital preservation of priceless treasures, we are building the tools to take on the toughest jobs."

Versatility for Scientific Applications
The iXH 150MP Camera System and Capture One CH offer an open platform for new imaging applications. The iXH 150MP is also available in Achromatic and Wide Spectrum variations. Adding special accessories, advanced capabilities and focusing accuracy open doors to computational and sequential imaging that are indispensable to a range of applications.

Availability
The iXH 150MP Camera System is available now through Phase One Cultural Heritage Partners.

Please contact your local Phase One Cultural Heritage Partner for system configuration options, solutions pricing and demo arrangements: https://www.phaseone.com/en/Cultural-Heritage/Find-CH-Partner

To follow Phase One CH, please go to: <LinkedIn: https://www.linkedin.com/company/phase-one-ch>

About Phase One Industrial

Phase One Industrial, a division of Phase One A/S, researches, develops and manufactures medium and large format digital photography systems, software and imaging solutions for industrial markets.   Solutions range from aerial image acquisition to machine vision applications and cultural heritage preservation. Whether mapping the globe, executing industrial inspections or preserving priceless works of art and documents, the focus is on imaging accuracy.

Headquartered in Copenhagen, Phase One Industrial is dedicated to delivering exceptional image quality, productivity and user experience. With offices in Colorado, Cologne, Tel Aviv, Beijing and Tokyo and with its expert teams of global partners, Phase One Industrial serves and supports its customers worldwide.

###

Note to editors: For a selection of product images of the Phase One iXH Camera System, including the new Phase One Industrial RS 72mm MkII lens, please go to:
 https://industrial.phaseone.com/downloads-Press-Media-Packs.aspx