



## Digital Transitions, R.B. Toth Associates and Equipoise Imaging announce Cultural Heritage Partnership for Multi-Spectral Imaging

**NEW YORK and WASHINGTON D.C., June 16, 2016** – Digital Transitions, R.B. Toth Associates LLC and Equipoise Imaging, LLC are partnering to market next-generation Multi-spectral Imaging Systems for the world's libraries, museums and universities. This follows the successful integration of high-end multi-spectral imaging systems utilizing 60 megapixel Phase One cameras in the USA and Europe that proved capable of imaging key manuscripts, including Archimedes and Galen Palimpsest folios, papyrus mummy masks, American and Danish archival records, printed books and Nordic maps.

This partnership enables the creation of the latest generation multi-spectral imaging system and services. This new system includes the leading-edge Phase One IQ260 achromatic camera synchronized with a unique narrowband LED illumination designed by Dr. Christens-Barry, with a Phase One iXr or DT RCam Reprographic Camera body. This system can be mounted on Digital Transitions' Capture Cradles or copy stands. Development of Phase One's Capture One and Spectral XV software with integrated spectral image processing tools and training streamlines throughput, workflow and data management and access for clients.

Digital Transitions has been providing high-end digitization solutions and technical services for the cultural heritage community over the last 13 years. Their understanding of the specific needs and requirements of this market is why they have partnered with Phase One, creator of the world's finest open-platform high-end camera systems and professional imaging software, to provide fully integrated hardware and software that can provide preservation grade assets within an efficient capture and post-processing workflow. The next logical step was to join forces with multi-spectral imaging pioneers Michael B. Toth and William A. Christens-Barry to offer clients the state-of-the art Multi-spectral Imaging technology that can support their study and preservation of important cultural heritage artifacts. These multi-spectral imaging advances have been utilized for projects including St. Catherine's Monastery Palimpsests in the Sinai, David Livingstone's Diaries from Africa, Library of Congress treasures, and University College of London artifacts, as well as work on archival materials, printed books and other objects. Furthermore, this multi-spectral system is compatible with existing Phase One camera systems used in many libraries and museums.

"Multi-spectral imaging is a real game-changer for the cultural heritage community wanting to learn more about their important collection objects," noted Mike Toth, owner of R.B. Toth Associates LLC. "Our partnership with Digital Transitions capitalizes on our 15 years of multi-spectral imaging and support around the globe – from the Walters Art Museum and Penn Libraries to the UCL DH Centre, John Rylands Library and New Mexico Museums. Together with Digital Transitions', support for Phase One cameras, software,

services, along with their cradles and copy stands, we can offer an integrated multi-spectral imaging system with the training and support institutions need to capitalize on these systems.”

Dr. Bill Christens-Barry, owner of Equipoise Imaging, LLC, said, “As a Digital Transitions partner, we empower institutions that want multi-spectral imaging technology – offering clients integrated cameras, lighting and processing algorithms that are tailored to their needs. This collaboration enables us to provide institutions with their own capabilities not only to image objects, but also to do their own image processing to reveal that which was previously unseen. With these images and advanced research, processing and data management, institutions can make even greater contributions to cultural heritage studies.”

## **About R.B. Toth Associates LLC and Equipoise Imaging, LLC**

Working with experts in the field, the partnership of Equipoise Imaging LLC and R.B. Toth Associates LLC has developed and implemented standardized technologies, work processes and procedures needed to provide digital access to cultural objects. Integrated teams of scientists, engineers, scholars and technical experts managed by Mike Toth support the study and preservation of cultural objects for museums, libraries and private collections. This includes use of multi-spectral imaging systems based on narrowband LED spectral illumination modules developed by Dr. Bill Christens-Barry.

Since 2000, both companies have supported institutions with not only advanced multi-spectral imaging, processing technologies and data management, but also the needed planning, operation and integration of new digitization technologies. Toth and Christens-Barry have supported digitization and multi-spectral imaging studies around the globe:

- Pioneering multi-spectral imaging of the Syriac Galen and Archimedes Palimpsests for open access
- Vesalius 1st and 2d Editions and other books for prior ownership information
- Palimpsests in the Vatican Library and St. Catherine’s Monastery in the Sinai
- Maps and manuscripts in Scandinavian University Libraries
- Library of Congress Treasures, including the Waldseemüller Map & Gettysburg Address Drafts
- Medieval Islamic and Western Manuscripts at the Walters Art Museum
- Zacharius Rhetor folios in Syriac at the British Library
- Modern and medieval texts and photos at the Harvard University Libraries
- Free access for digitized pre-modern manuscripts in the University of Pennsylvania Libraries
- Parchment and papyrus manuscripts at the Duke University Library
- Parchment, paper & papyrus manuscripts at the John Rylands Library, Manchester
- Culture and Heritage Photographs in Abu Dhabi

More information on these and other projects is available at [www.rbtoth.com](http://www.rbtoth.com)

## **About Digital Transitions**

Digital Transitions Division of Cultural Heritage designs and manufactures its own camera bodies, lens panels, reprographic copy stands, book capture systems and accessories in the United States. Digital Transitions is also Phase One’s cultural heritage partner, serving the needs of cultural heritage institutions around the world. Their diverse expertise in the areas of optical, mechanical, and software development

provide them a virtually unlimited capacity to custom design solutions to meet specific needs. In addition, their systems are designed modularly to protect the client's investment and can be upgraded as new technology becomes available. The Digital Transitions Division of Cultural Heritage is also committed to providing education, training, integration and long-time technical support to ensure clients are getting the highest image quality reproductions within an efficient capture and post-processing workflow.

More information about Digital Transitions Division of Cultural Heritage can be found at [www.dtdch.com](http://www.dtdch.com)

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