

Policy Statement for PhaseOne IQ140 Digital Back

Department of Earth Sciences

University of Memphis

Policy Date: May 15, 2017

Instrument Capabilities: The PhaseOne IQ140 digital back offers complete digital integration for the Hasselblad V system cameras and lenses. The 50MP CMOS sensor is twice the size of a full frame 35mm DSLR sensor, which means the information capture is twice that of conventional 35mm. The CMOS 50 megapixel (8272 x 6200 pixels) sensor allows for an image size that captures 65 MB on average in RAW format. Color definition is 16 bit and the ISO ranges from 100 to 6400. The file format is RAW and it can be opened in Adobe Photoshop in addition to the PhaseOne software.

Usage Policy: Use of the Phase One IQ140 digital back is limited to University of Memphis faculty and staff who have demonstrated the requisite level of expertise and knowledge of medium format photography and who possess a University of Memphis medium format camera suitable for the PhaseOne IQ140 digital back. Users are required to demonstrate familiarity with medium format digital backs and relevant proficiency to the chair, Department of Earth Sciences or their appointed representative.

Procedure: Anyone borrowing the PhaseOne IQ140 Digital Back must demonstrate proficiency in its use and understand how to care for it. The camera for which it will be used must be approved by the chair, Department of Earth Sciences or their appointed representative.

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