



LARGE FORMAT DIGITAL CAPTURE: THE ATLAS



The Icam ATLAS utilises a dual mount with a very high resolution scanning camera plus an array camera to produce digital images of a wide range of documents. The original document, which may be up to 5m long moves underneath the camera systems on accurate rails and is captured at an optical resolution of 300 ppi (pixels per inch).

The very fast array camera can also easily capture images of associated documents such as apportionments so the material is only handled once. The lighting used is 'Ceramic Discharge Metal Halide' and has a very low power consumption (150W per unit) combined with high colour fidelity. ICC profiles are maintained (Adobe 1998) and, as well as the uncompressed 24 bit RGB TIF format, final images may also be save as JPG, JPG2000, PDF etc.

The Atlas system is 'portable' and installed in customers premises where a floor area of approximately 8m x 5m is ideal. Icam provide skilled, experienced operators with document handling knowledge to carry out the capture process. Complete collections such as 19th century Tithe Maps have been captured, allowing digital surrogates in the form of basic images to fully interactive websites, to replace the original Tithe Map for public access.

Icam can provide a complete service for the safe digitisation of large format maps, drawings and documents and also offer equipment or imaging services to image bound volumes (up to A0) and all sizes of flat documents including material that does not lay flat. At the other extreme, we can digitise photographs, glass plate negatives and all microfilm formats.

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