



THE DIGITAL GUARDIAN

The unique **MODULAR DESIGN** built around **A1** or **AO** platforms makes the **GUARDIAN** the most flexible digital capture system. Interchangeable features and economically upgradeable.

Options include cameras, scanners and dual mount (for dual digital or hybrid digital and micro-film).

Our design team have created a **book handling system** with all of the sophisticated pneumatic control of pressure and speed required to handle delicate or brittle books or bound volumes, but with none of the complex computer or electronic circuitry normally employed. The modular design means that the **GUARDIAN** system may be originally supplied as a simple base unit, that can be easily upgraded with pneumatic book handling facilities at a later date.

Column height and lens can be specified to cover a very wide range of document sizes. The dual height copyboard allows the capture of very large format documents.

ICAM supply the **Phase One** and **Better Light** range of class leading digital cameras. Easily mounted to the **GUARDIAN** base, models are available from a capture speed of one image in 2 seconds, to an optical resolution of 13,800 x 10,200 (20,072 x 14,936 in enhanced mode!) pixels for high resolution of the largest maps. Adjustable daylight balanced and diffused constant lighting at a relatively low level (especially the 'one shot' systems) ensures comfort for the operator and safety for the document with no flickering or moving lights in the production environment.

Interchangeable lenses, include zoom and macro, ensure the widest possible document (or even small negatives) are perfectly captured at the highest image quality.

Extended warranties, service contracts, part exchange upgrades and a policy of continuous training forms part of **ICAM's** principle of total customer commitment and service.



Icam Archive Systems Ltd.

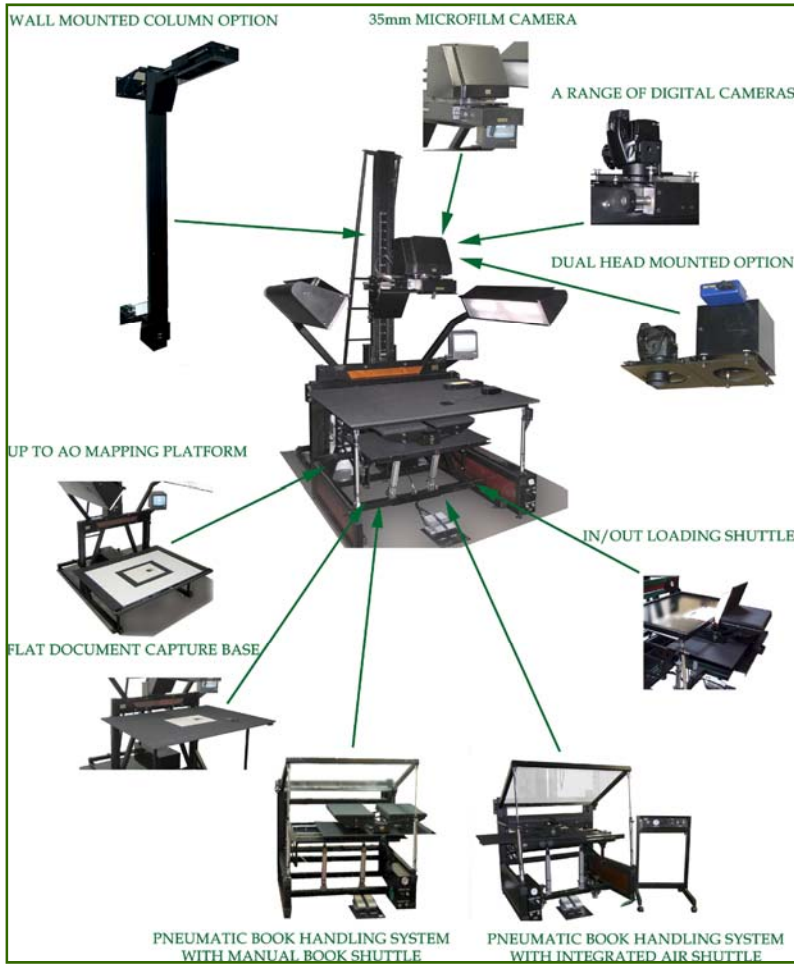
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MODULAR DESIGN



- ### Camera Specifications – Digital
- Resolution :4K x 4K; 5.4K x 4K; 6.5K x 4.8K; 7.2K x 5.4K (one shot) Up to 20,072K x 14,836K (scan) 8bit or 16bit per colour output
 - Max File size: (8 bit RGB) 48–852 MB TIFF
 - Capture Speed: Single Exposure : ~ 2 sec. Scan: up to 240Mb / min.
 - ISO 50 - 1600
 - Lens: 45–55– 80 -120– 150 mm (Various options inc. zoom & macro)
 - Interface: IEEE1394 (FireWire) or USB2
 - Windows 2000/XP/Vista& MAC
 - Capture / calibration / image management software included
 - Output TIFF, JPEG, greyscale etc.
 - Macro capture to larger than A0
 - Book Cradle: 360° rotation
 - Book Shuttle travel: 560 mm
 - Table clearance with Book Cradle: 125 mm.
 - Table clearance without Book Cradle: 245 mm.
- ### Options
- Automatic Air Shuttle
 - Dual height (30X) copyboard
 - Hybrid – microfilm & digital head
 - Tandem – dual digital heads
 - Computer system and monitors

GUARDIAN Specifications - A1/A0 Digital

Dimensions	A1	A0
Maximum Height	2400 mm.	2800 mm.
Width (light arms lowered)	1760 mm.	1990 mm.
Width (light arms raised)	1220 mm.	1350 mm.
Maximum document size:	930 x 665 mm.	1200 x 850mm
Lighting	daylight balance HF Fluorescent	
Depth	1350 mm.	1880 mm.
Weight	310 Kg.	360 Kg.
Electrical	220 / 240 V 50 Hz 5A option 110 V 60 Hz 5/10A	

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