





## MODULAR DESIGN



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



The top glass has a flat profile on the underside. Combined with the open sides of the platform, larger volumes or scrolls may be captured without pressure damage. Switches allow the operator to permanently open the top glass and/or lower the platen. The standard book shuttle enables the single pages of large volumes to be captured with ease. A pull out cradle with the ability to capture books than can only be opened to 120° is also available. An oversize, removable copyboard for drawings or maps, up to A0 size, is included. The standard cold high frequency lighting also includes diffusers and shutters for operator and document comfort, with the added protection of delicate material between exposures. The lighting may be switched to a digital scan (high) setting, and auto exposure control for microfilm is standard. The same low level lighting is used for one shot digital and microfilm.



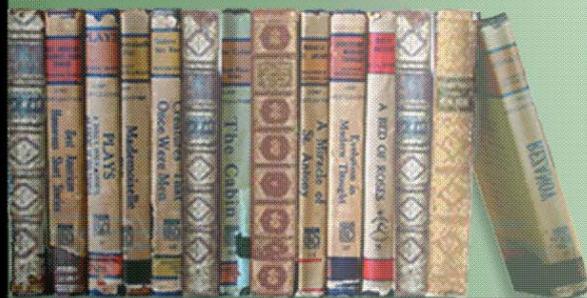
A range of microfilm heads are available, including combined 16 and 35 mm. Standard features include; through the lens video - the filmed area appears on a monitor in front of the operator, variable aperture, variable mask, adjustable frame gap and full head rotation. Column height and lens can be specified to cover a very wide range of document sizes. The dual height copyboard allows reductions from 7x to 30x. Icam supply the **Phase One** range of class leading digital cameras. Easily mounted to the **GUARDIAN** base, models are available from a capture speed of one image in 1.5 seconds to a resolution of 12,600 x 10,500 pixels!



Interchangeable **Zeiss** lenses ensure the widest possible document size are perfectly captured at the highest image quality. Automatic exposure and automatic focus are standard with the single exposure models. Software control profiles ensure true colour fidelity. The included **Phase One** software allows the production of most file formats (TIF, JPEG etc) with image management and indexing with the addition of file information at the time of capture.

A policy of continuous training is part **ICAM's** policy of customer satisfaction. Extended warranties and part exchange upgrades are part of **ICAM'S** service and quality commitment.

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## STANDARD ( MICROFILM )

REDUCTION	7.5 to 24 x
MAXIMUM DOCUMENT SIZE	920 X 660 MM
BOOK CRADLE ROTATION	360 DEGREE
BOOK SHUTTLE TRAVEL	560 MM
TABLE CLEARANCE WITH BOOK CRADLE	125 MM
TABLE CLEARANCE WITHOUT BOOK CRADLE	245 MM
CAMERA HEAD	35/16 MM. 70MM LENS. 360 DEGREE ROTATION THROUGH THE LENS VIDEO ALIGNMENT

## DIMENSIONS

MAXIMUM HEIGHT	2400 MM
WIDTH ( LIGHT ARMS LOWERED )	1760 MM
WIDTH ( LIGHT ARMS RAISED )	1350 MM
DEPTH	1350 MM
WEIGHT	310 Kg
ELECTRICAL	220/240 VAC 50 Hz 5 A

## DIGITAL SPECIFICATIONS

### DETAILS ON PRODUCT BROCHURES

GENERAL	HEAD RESOLUTIONS FROM 2000 X 3000 TO 10500 X 12600 PIXELS CAPTURES SPEEDS SINGLE SHOT 2 SEC SCAN SPEED 240Mb PER MIN WINDOWS OR MAC PLATFORM CAPTURE SOFTWARE INCLUDED
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