

CAMERAS – 16MM PLANETARY

Bell & Howell FileMaster III Camera



The FileMaster III planetary camera is a combination of high resolution and ease of operation. This makes it a very good choice as an entry level filmer. It features a very accurate automatic exposure control which insures you good, even density exposures time after time.

The "Electric Eye" automatic reduction ratio automatically measures documents and selects the proper reduction ratio as well as proper focus. Film guides which allow the operator to position the paper accurately on the copyboard are included. The camera head is easily removable, allowing you to purchase additional heads so that multiple departments may use the same camera base.

The unit will record three levels of blip (image marks) under the document to facilitate retrieval by an intelligent reader-printer. In addition, you may manually input three 4 digit numbers, or a single 12 digit number to help identify each frame by time, date or other

pertinent information. This number will also appear on the film. This number is invaluable as a "visual retrieval tool." The final feature is a variable pulldown, which can eliminate excess space between frames – increasing the number of images per roll.

The automatic reduction selector provides error free filming of documents up to 11" x 17".

Automatic and manual exposure, programmable three-level indexing, and automatic reduction and focus make the FileMaster III versatile and easy to use.



Typical Machine Characteristics

Camera Type: 16mm planetary camera.

Lens Type: Micro-Rokkor f-28mm.

Film Type: 16mm - 5 mil, 100 ft. (30.48m) or 2.5 mil, 215' (65.53m).

Document Size: Max. 11" x 17" or A3 (279mm x 432mm).

Frame (Aperture) Size: Automatically selected according to the original size, or manually selected.

Single – 0.38" x 0.50" (9.7mm x 12.6mm).

Double – 0.72" x 0.50" (18.2mm x 12.6mm).

Pulldown:

Single – range 0.37" to 0.46" (9.5mm to 11.75mm); 0.39" normal (10.0mm).

Double – range 0.71" to 0.80" (18.0mm to 20.25mm); 0.73" normal (18.5mm).

Spacing: Single Frame, Prefixed Frames (5 to 250 frames), and any desired number of frames (1 to 9999).

Resolution: 150 lines/mm minimum.

Depth of Field: +20mm from copy board.

Reduction Ratios: 25:1 single or double frame; or 32:1 single frame only.

Numbering: 12 digits (four digits x three fields) – used for block, batch, and item fields; or 12 digits (four digit date field and eight digit counter); or 4 digits (four digit counter).

Image Marking: Four Operator Selectable Modes: No image marks, three-level (large, medium, small), two-level (large and small, large and medium, or medium and small), or single-level (large, medium, or small).

Image Mark Positioning: Medium width (2.3mm) single level mark can be adjusted between 1.21mm or 4.21mm.

Film Supply Warning: Beeper and warning light indicate when approximately 5' (1.5m) of film remains.

Focusing: Automatic focus.

Exposure Control: Automatic and manual exposure control.

Light Source: Two 15 W fluorescent lamps.

Power Requirements: 120 VAC, 60 Hz, 150 W (220 VAC/240 VAC 50 Hz optional).

Dimensions: 49.21"H x 35.43"W x 27.56"D (1250mm x 700mm x 900mm).

Weight: 90 lbs. (41 kg).

Options:

Foot pedal.

Black copy board.

Automatic continuous forms feeder.

Resettable counter.

Safety Acceptance:

CSA Certified.

UL Listed.

FCC Compliance.

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