DR1600

Intelligent Planetary Microfilm Recorder

MINOLTA

SPECIFICATIONS

Type:	Planetary desk top
Film:	16mm x 100 feet (5 mil thick roll film) 16mm x 125 feet (4 mil thick roll film) 16mm x 215 feet (2.5 mil thick roll film)
Frame Counters:	12-digit resettable LED display 7-digit non-resettable mechanical counter
Lens:	F5.0 28mm
Resolution:	155 lines/mm
Shutter:	Electromagnetic, solenoid-operated
Reduction Ratio:	25:1, 32:1
Original Size:	Max. 11" x 17" (A3)
Exposure Control:	Automatic or manual
Light Source:	Two fluorescent lamps (15W each)
Power Source:	AC local voltage
Power Consumption:	200W
Frame Size:	9.7mm x 12.6mm (single frame), 18.2mm x 12.6mm (double frame) switchable
Pull Down:	10mm (single frame) or 18.5mm (double frame) Variable setting between 11.75mm and 20.25mm
Document Mark:	Built-in tri-level document mark
Dimensions (W x D x H):	35-1/2" x 27-1/2" x 41-1/2" (902mm x 700mm x 1,054mm)
Weight:	90 lbs. (41 kg)
Option:	RS232C interface Foot switch 6-digit resettable mechanical counter

*Specifications subject to change without notice.

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Designed for fast, simple, efficient microfilming, the Minolta DR1600 is the desktop microfilm camera for today's microfilming needs. Simply place a document on the copyboard, and the DR1600 automatically selects both the correct reduction ratio and the proper focus. Now press the Exposure button. That's all there is to it.

Other features include automatic aperture size selection (single frame or double frame), frame indexing, single corner positioning, and auto exposure control—individual functions that work together to improve productivity and image quality.

The Minolta DR1600 microfilm camera. Think of it when you need faster, simpler, more versatile microfilming.

Faster, simpler, more v

Automatic reduction and focus ensures sharp, correctly sized images every time.

Automatic Reduction and Focus The DR1600 automatically determines the size of the document and selects both the correct reduction ratio and the proper focus, eliminating the need for manual adjustments.

The camera head can be easily replaced in seconds, allowing different departments to use their own camera heads for specific filming purposes.

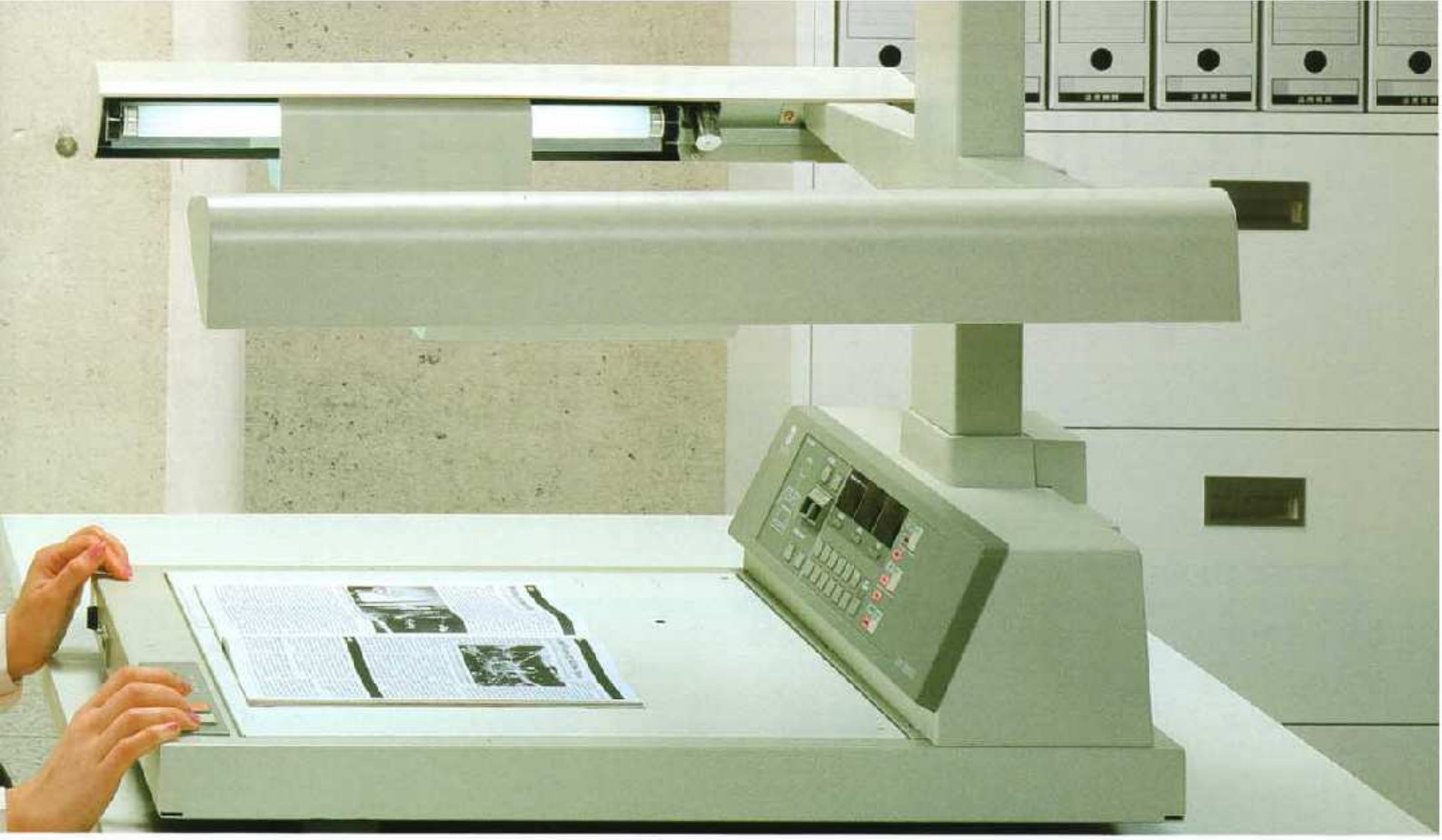
A self-diagnosis system with red LEDs warns you when film is about to run out or when the camera head isn't locked to the main body.

Document width sensing automatically selects the right frame size for you. Filmed images are always upright for easy reading.

Full Upright Images In addition to automatically sensing the height of the document to determine the correct reduction ratio, the DR1600 also senses the document width to determine the correct aperture size. Documents up to legal size (8-1/2" × 14") are filmed in single frames while larger documents are filmed in double wide-width frames. But no matter what frame width is used, the filmed images are upright for easy viewing.

Auto Exposure Control Advanced electronics technology provides completely automatic exposure adjustment for sharp, clear images every time. Manual adjustment of the exposure time is also possible for special filming needs.

Frame Indexing (Numbers and Blip Marks)
For faster, easier identification and indexing, frame numbers and/or blip marks can be selected and recorded on the film.



ersatile microfilming.

Three levels of blip marks—Item, Batch and Block—are available. All are encoded inside the camera head to ensure consistent readability as well as more accurate document exposures.

In addition, the operator can manually input up to three 4-digit numbers or a single 12-digit number to more precisely identify each frame with time, date or other vital information. These numbers appear along the top of the frame.

Frames can be precisely identified with frame number, time, date or other information.

RS-232C Interface Connect a PC or minicomputer to the built-in RS-232C interface, and the DR1600 becomes a data entry camera for CAR (Computer Assisted Retrieval) systems, permitting full control of all camera operations from the computer.

Zero-Space Filming The gap between frames can be eliminated, permitting more documents to be filmed per roll and minimizing the flicker effect seen when viewing moving film.

High-Quality Images Minolta lenses produce high-resolution images from a wide range of originals, from single sheets of paper to books up to 2cm in thickness, at all focal distances. A fluorescent lamp system provides uniform illumination, ensuring consistent exposures, roll after roll of film.

Single Corner Positioning The DR1600 greatly simplifies document filming by requiring only a single corner of a document be positioned correctly.

Single corner positioning speeds and simplifies document handling during filming.