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# DIGITAL CAMERA RD-175

A 35mm Digital AF SLR camera combining proprietary electronic imaging with Minolta's highly-acclaimed Maxxum technology.

Item #  
2753-308

UPC Code #  
99021-2



## SPECIFICATIONS

**Type:** SLR Digital camera with built-in flash, autofocus, and autoexposure.

**Lens Mount:** Minolta A-type bayonet mount.

**Compatible Lenses:** Maxxum/Minolta AF lenses.

**Image Sensor:** 1/2-inch CCD with 380,000 pixels (x3).

**Sensing System:** 3 CCD (G, G, R/B), Dual-Green System.

**Final Resolution:** 1528 x 1146 pixels.

**Storing Format:** DOS format, 8 bits digital recording per G, G, R/B channel.

**Storage Medium:** PCMCIA ATA card.

**Number of Frames:** 114 frames when using MAXTOR 131MB PCMCIA card.

**AF System:** Minolta's through-the-lens (TTL) phase-detection system with one CCD line sensor. Focus Mode: continuous AF; focus lock selectable automatically according to subject movement; auto/manual focus switchable manually; predictive focus control for moving subjects. AF Sensitivity Range: EV2 to 21 (ISO 800).

**Metering:** TTL type. Metering Range: EV6.5 to 20 (ISO 800, f/6.7).

**Exposure Modes:** Programmed AE (P mode), Aperture-priority AE (A mode), Shutter-priority AE (S mode), Manual (M mode).

**Exposure Compensation:** +/- 3 EV (0.5 EV increments).

**Shutter:** Electronically-controlled, vertical-traverse, focal plane type. Range: 1/2000 to 1/2 sec. Flash sync: 1/90 sec. or slower.

**Sensitivity:** ISO 800 or equivalent.

**White Balance:** Auto white balance with outer metering, manual setting available.

**Built-in Flash:** Guide number 110 ft. with ISO 800; flash coverage for 28mm lenses; pre-flash for red-eye reduction and remote/wireless off-camera flash control available; raise and lower manually.

**Viewfinder:** Eye-level fixed roof mirror. Field of view: 90%. Magnification: 1.04x (with 50mm lens at infinity). -1 diopter.

**Replay Lens Magnification:** 0.4x.

**Body Data Panel Displays:** Shutter speed, aperture, exposure mode, white balance, frame counter, battery condition, wireless flash, SCSI mode, red-eye reduction, exposure compensation, self-timer, manual focus, terminator power.

**Viewfinder Displays:** Focus signal, flash signal, standby lamp.

**Interface:** SCSI-2 interface, PCMCIA Type III slot, PC terminal, remote control terminal.

**Power:** 7.2V NP-500H rechargeable lithium ion battery or AC power adapter, 6V 2CR5 lithium battery pack, 3V CR2025 lithium battery.

**Dimensions:** 6.3 x 5 x 5.7 in.

**Weight:** 2.4 lbs. without lens, battery, and PC card.

### Software

**Macintosh®:** Adobe Photoshop™ plug-in software, Utility software.

**Windows™:** TWAIN Driver.

### Requirements

**Macintosh Computer System:** Macintosh or Power Macintosh® with 68030, 25MHz CPU or higher.

**RAM:** 20MB or higher for Macintosh; 24MB or higher for Power Macintosh.

**Hard Disc:** 30MB vacancy or higher.

**Software:** System 7.1 or higher; Adobe Photoshop Ver. 2.5 or later.

**Windows Computer System:** IBM® PC/AT or compatible machine with 486DX2 CPU or higher.

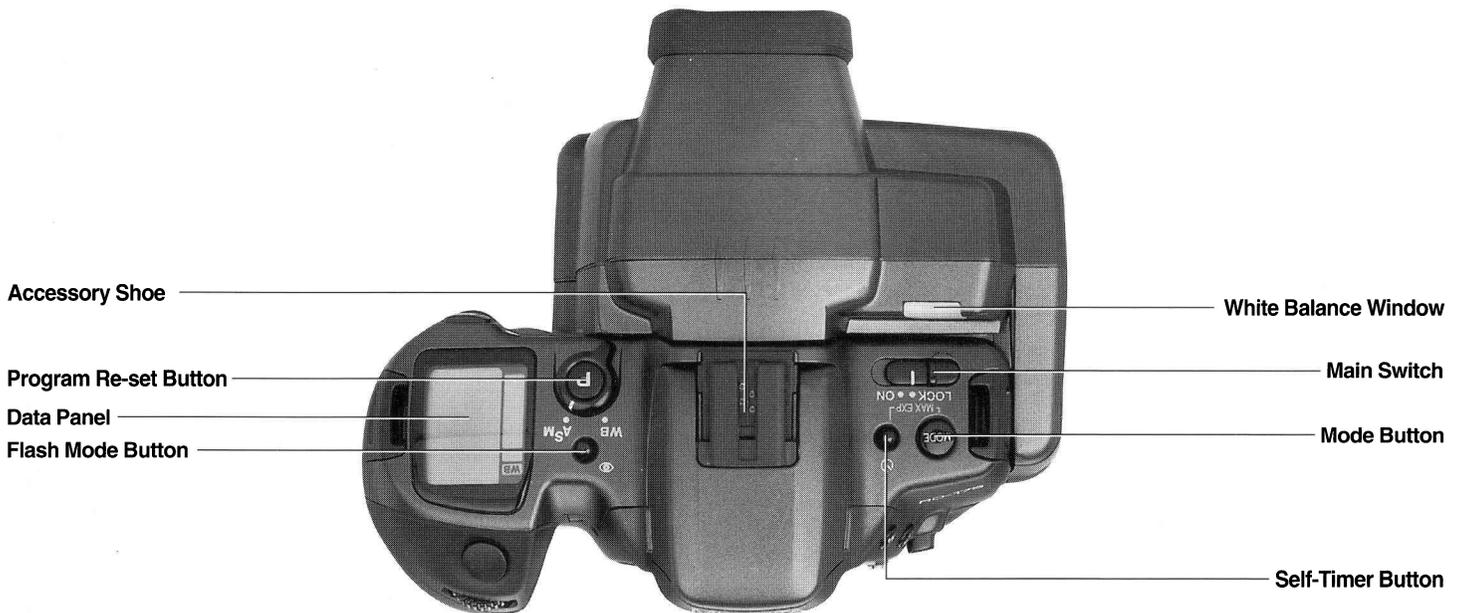
**RAM:** 16MB or higher.

**Hard Disc:** 30MB vacancy or higher.

**SCSI Board:** Adaptec® AHA-1520, 1540, 2940 series.

**Software:** Windows 3.1 or Windows 95.

# DIGITAL SLR CAMERA RD 175

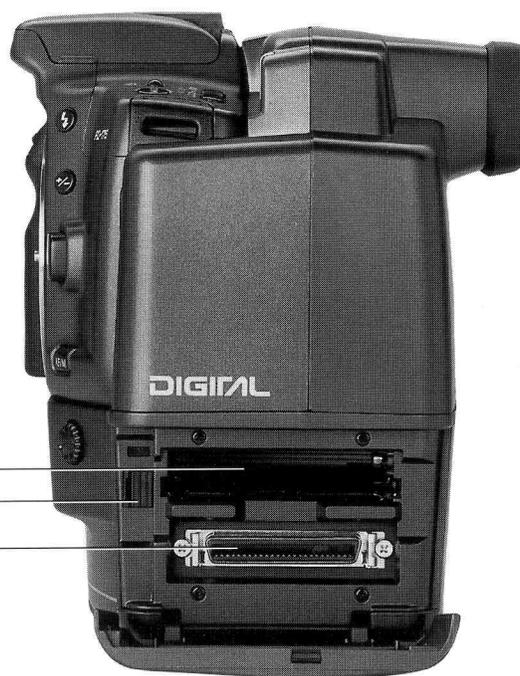




Viewfinder Eyepiece

Aperture Button

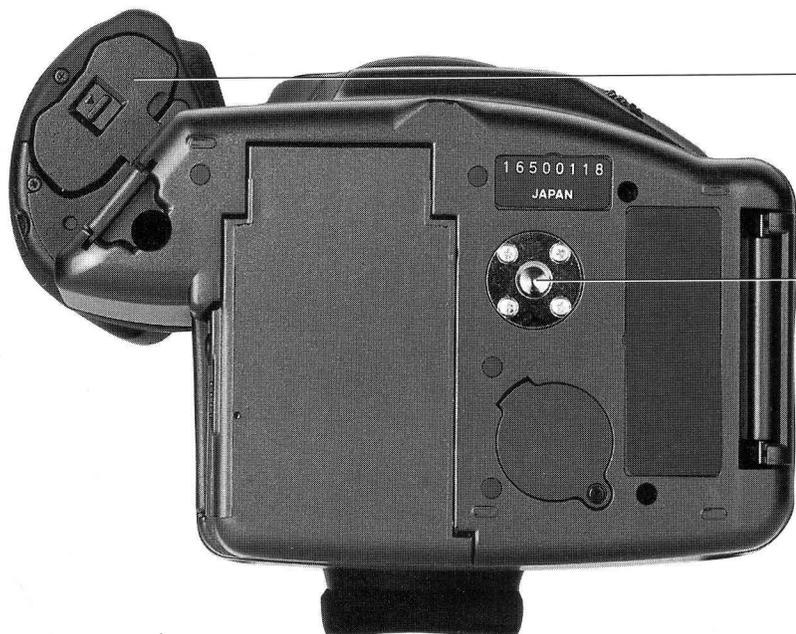
Lithium-Ion Battery



PCMCIA Slot/Eject Button

PCMCIA HDD

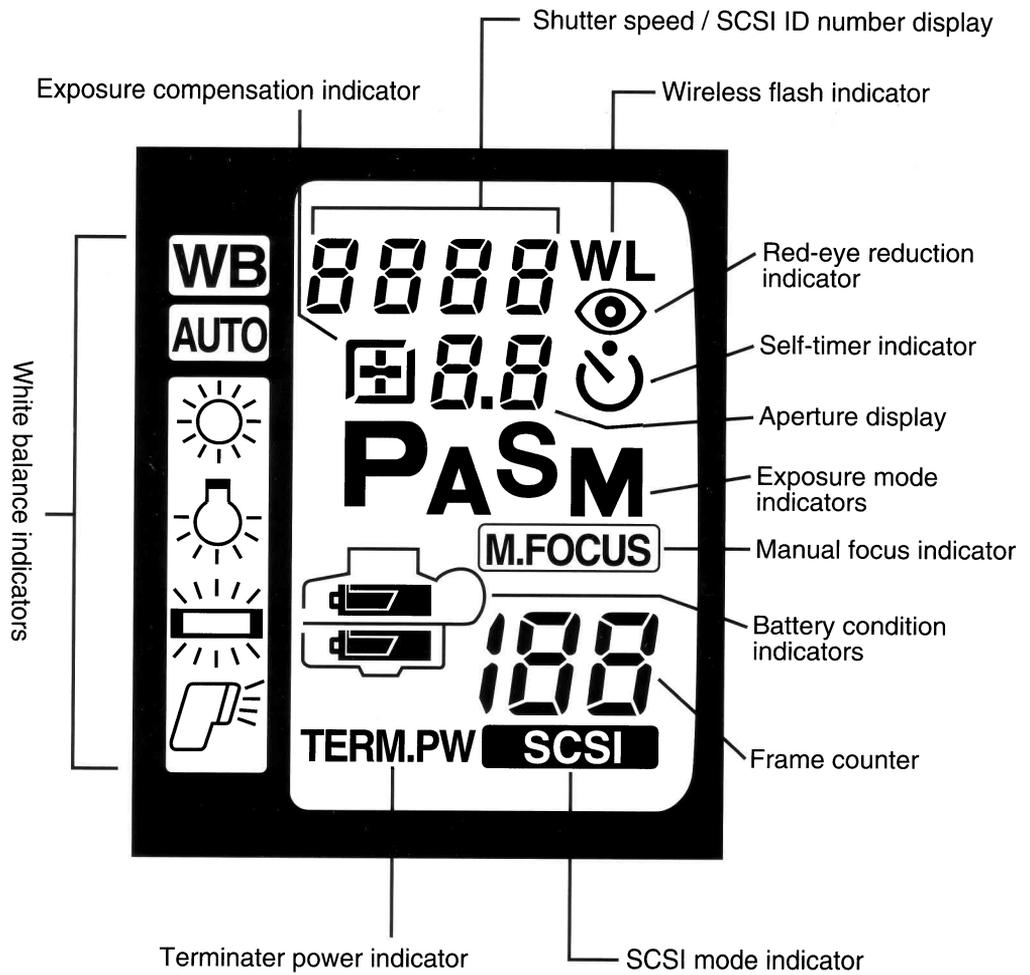
SCSI Port



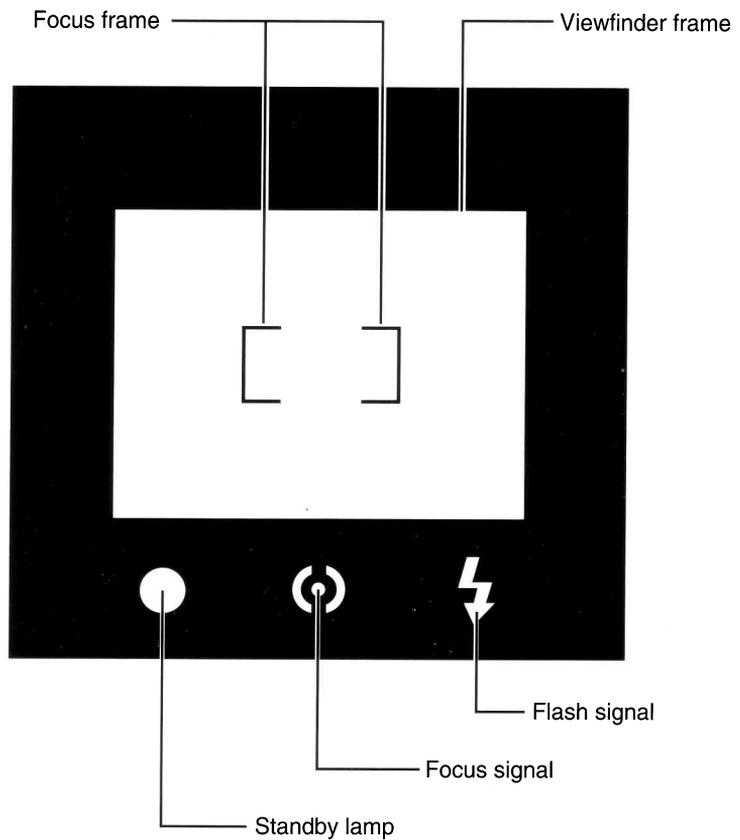
Battery Cover

Tripod Socket

## LCD PANEL INFORMATION



## VIEWFINDER INFORMATION



## MAJOR SELLING POINTS

### Electronic Imaging Made Easy

The Minolta RD-175 Digital SLR camera creates an entirely new standard of picture making to meet the needs of the multimedia era. It offers the high quality images, easy operation, and portability of a Minolta Maxxum AF SLR camera, and allows the photos to be directly output to a PC, eliminating the need for film developing and scanning. The RD-175 provides photographers and creative artists with a new and exciting method of fast image processing and filing, and image data transmission via PC telecommunications.

### 3-CCD System for 1.75 Million Pixel Resolution

The RD-175 uses three CCDs (Charged Coupled Devices) to store photo images as digital data. This newly-designed 3-CCD system provides superior color contrast, plus a high resolution of approximately 1.75 million pixels (1,528 horizontal x 1,146 vertical). The RD-175 offers the highest picture quality possible, for images that are crisp, clear, and full-colored.

### PCMCIA Card for Easy Portability

The RD-175 uses a PCMCIA (ATA) for recording photo images. The card has a large capacity of 131 MB and can record up to 114 image frames.

### SCSI-2 Interface for Compatibility with Macintosh and IBM PC/AT

The RD-175 is able to directly connect to PCs accepting SCSI standards, including Macintosh. The PCMCIA card enables connection to other PCs such as Macintosh or IBM PC/AT through a card reader. A PC with a PCMCIA card slot does not require a card reader.

### Adobe Photoshop Plug-In Software

Adobe Photoshop plug-in software and exclusive Minolta software for image processing are provided as standard accessories. A TWAIN driver is also provided as a standard accessory for compatible IBM PC/AT machines.

### Complete Ease of Use

The Minolta RD-175 Digital Camera handles and operates just like a fully automatic point & shoot camera, but provides the high-quality end results and system flexibility that only an SLR camera can offer. The design is simple and straightforward, and all functions are controlled with a single-button operation rather than a combination of buttons or dials.

### Continuous Predictive Autofocusing

The Minolta RD-175 features a wide focusing area with a large CCD sensor. This wide AF area makes it easy to maintain precise focus on the main subject even if the subject is off-center in the viewfinder. With moving objects, the RD-175's continuous autofocus tracks subject movement, and predictive focus control adjusts the focus between each exposure to maintain image sharpness.

### Focus Hold

If the user wants to take a picture with the main subject outside the focus frame, focus hold can be used to keep the subject sharp. To lock focus, place the subject in the center of the focus frame, then press and hold the shutter-release button partway down. Wait for the focus-lock signal to appear in the viewfinder, recompose the picture as desired, then press the shutter-release button all the way down to take the picture. (NOTE: focus will not lock if the subject is moving.)

### 8-Segment Honeycomb-Pattern Exposure Metering

The Minolta RD-175 features an AF-integrated, 8-segment honeycomb-pattern metering system that measures light levels in seven symmetrical segments of the image frame, plus the background area. Because the exposure system is integrated with the autofocus system, the RD-175 is able to identify the main subject and bias the exposure accordingly, even in difficult lighting conditions.

### Full Auto Mode with Expert Program Selection

In fully automatic program mode, the Minolta RD-175 analyzes subject movement, distance, and lens focal length, as well as subject and background brightness, then sets the optimum exposure automatically. There are no settings to make. The user simply places the viewfinder focus frame on the main subject, presses the shutter-release button partway down to activate autofocus, then presses the shutter release button all the way down to take the picture. If the light is low, the built-in flash will fire automatically to provide the proper subject illumination.

### Creative Exposure Control

For full creative control, the Minolta RD-175 offers Aperture Priority, Shutter Priority, and Manual exposure modes. All three modes use the camera's AF-integrated 8-segment honeycomb-pattern metering system. In *Aperture Priority* mode, the photographer can select apertures in 1/2-stop increments to a maximum f/6.7, and the camera's exposure system will automatically select the correct shutter speed. Likewise, in *Shutter Priority* mode, the photographer can select shutter speeds in 1-stop increments from 1/2 to 1/2000 sec., and the RD-175 will automatically set the appropriate lens aperture. In *Manual* mode, the user can take full creative control over the image-making process, by selecting both the aperture and shutter speed while referring to exposure indicators in the viewfinder.

### Exposure Compensation Control

For creative exposure adjustments or exposure bracketing, the RD-175's exposure compensation control allows changes in half-stop increments for up to 3 stops over or under normal exposure.

### White Balance Control

The RD-175 features both automatic and manual white balance controls. In automatic mode, the white balance will be automatically adjusted according to the color temperature of the light source. The RD-175 also features manual settings for Outdoor mode (natural lighting), Indoor mode (tungsten light), Fluorescent mode, and a Flash mode for studio strobes.

### Built-In Flash

The Minolta RD-175 features a built-in, design-integrated flash (Guide number 110 ft. at ISO 800) which provides coverage for lenses as wide as 28mm. The flash has three modes: AUTO, OFF, and FILL-IN (manual fill-flash). In AUTO mode, the flash will fire whenever needed. For greater flash output and versatility, high-powered Maxxum flash units are available as optional accessories.

### Red-Eye Reduction Mode

To reduce the red-eye effect caused by the flash reflecting off the inside of the subject's eyes, this mode fires the built-in flash several times to close down the subject's pupils before the exposure flash is fired and the picture is taken.

### Wireless Off-Camera Flash Control

The Minolta RD-175 can control off-camera Maxxum 5400HS, 5400xi, or 3500xi flash units without accessory cords or connectors, allowing greater flexibility in flash placement (up to 16-1/2 feet from the camera) and freedom from cable troubles or tangles. Flash control signals are sent from the camera's built-in flash. In addition, a 2:1 ratio can be selected, where the off-camera unit provides 2/3 of the light while the built-in flash provides the remaining 1/3 of the light needed for proper subject exposure.

### PC Terminal

The PC terminal enables the user to connect a non-dedicated or studio-type flash to the camera.

### AF Illuminator

If the built-in flash is set to AUTO or FILL-IN and the camera detects that the scene is too dark to focus accurately, the flash will automatically fire a short stroboscopic burst to provide the light necessary for the camera to detect and focus on the subject. The AF illuminator ensures precise focusing even in total darkness.

### Self-Timer

The self-timer provides a 10-second shutter-release delay, allowing the user to set up the shot and appear in the photo. The built-in flash signals just before the picture is taken by firing three quick bursts.

### Full Line of Lenses and Accessories

The Minolta RD-175 is part of the world-renowned Minolta Maxxum System of Autofocus SLR Cameras, Lenses, and Accessories. The RD-175 can accept a wide selection of Maxxum and Minolta AF lens, ranging from ultra wide-angle 16mm fisheye to 600mm super telephoto, including zoom lenses, macro lenses, and the new 100mm soft-focus portrait lens. Other accessories, like the Maxxum HS, xi, and i-series flash units let your customers expand their system as desired.

## OPTIONAL ACCESSORIES

ITEM #	DESCRIPTION
	Accepts a wide selection of Minolta/Maxxum Autofocus Lenses
8835-107	Maxxum Flash 5400HS
8832-307	Maxxum Flash 3500xi
8830-301	Maxxum Flash 2000xi
8823-637	Maxxum Macro Flash 1200 AF-N
6081-660	Insulated Case
9992-051	Optimate Optical Carrier
6063-101	Leather Wide Strap
6805-100	Gelatin Filter Holder - 72mm
6805-300	55mm Adapter Ring for Gelatin Filter Holder
6805-200	49mm Adapter Ring for Gelatin Filter Holder
8042-007	Mini Tripod TR-1
8355-100	Copy Stand III
8353-100	Slide Copy Unit 100
8353-200	Macro Stand 1000
7994-220	Eyepiece Cap
7396-410	Body Cap BC-1000
8699-120	Lithium Battery 2CR5
2753-631	AC Power Adapter AC-M515
2753-730	Lithium Ion Battery NP-500H
2753-821	Mobile Max MXL-131-111
2753-210	SCSI Cable SC-3 for Macintosh (half pitch 50/D-sub 25)
2753-220	SCSI Cable SC-4 for Windows (half pitch 50/full 50)
6089-750	Holding Strap HS-700

## MAXXUM EYEPIECE CORRECTION 1000 FAR-SIGHTED VISION

ITEM #	DESCRIPTION
8230-500	+0.5 Diopter
8230-600	+1.0 Diopter
8230-700	+1.5 Diopter
8230-800	+2.0 Diopter
8230-900	+3.0 Diopter

## NEAR-SIGHTED VISION

8230-400	-1.0 Diopter
8230-300	-2.0 Diopter
8230-200	-3.0 Diopter
8230-100	-4.0 Diopter



MINOLTA

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