MINOLTA

# DYNAX™
## 8000i

THE SOPHISTICATED AUTOFOCUS SLR
WITH A NEW DIMENSION OF INTELLIGENT VERSATILITY

Photographic excellence
at your complete command.

What autofocus camera can achieve an unparalleled degree of intelligent performance with such a compact body? Or capture fast action sequences at three frames per second with such a lightweight system? What camera, in short, can give you the complete satisfaction of a superior photographic tool? The answer is Dynax 8000i. The brilliant camera that gives you automatic control to capture breathtaking images in every situation. And creative manual controls to go beyond. Dynax 8000i. It's a new dimension of intelligent autofocus camera performance.

# DYNAX™
## 8000i

- Intelligent Autofocus and
  High Speed 1/8000 Sec. Shutter
- Intelligent Exposure System
- Intelligent Autofocus Flash System
- Creative Expansion Card System
- The World's Most Versatile
  Autofocus Lenses and Accessories

## Captures The Decisive Moment In Precise Focus.

Better photographic chances. More chances. This is the extra dimension of total performance the Dynax 8000i offers you. Every second of your photographic life can be a challenge met and controlled with Intelligent Autofocus. It gives you more speed, accuracy and creative latitude in capturing dramatic images. Because Predictive Focus Control, extra-wide autofocus and advanced 1/8000 sec. shutter combine with the camera's compact size to let you concentrate fully on your subject at the peak of action with unmatched handling and operation.

The Dynax 8000i's Intelligent Autofocus System captures your subject in precise focus with amazing speed and precision.



The Dynax 8000i's Predictive Focus Control lets you capture fast-moving subjects in precise focus.

## Multi-Sensor Autofocus

The Dynax 8000i's wide autofocus area with multiple sensors is up to 12 times larger than in conventional autofocus SLRs. The camera automatically selects the appropriate subject within the area to provide precise focus effortlessly. Vertically-positioned sensors provide autofocusing of horizontal lines. So you can focus faster and more precisely on a wider range of subjects — even those moving at high speed.



A wide focus area makes it easier to focus on moving subjects. The focus is continuously adjusted as long as part of the subject fills the focus area.

## Automatic Focus Mode Selection

This superior technology automatically selects the best focus method for your subject every time. Single shot for still subjects. And continuous adjustment for moving subjects. With no settings or adjustments to make, you're free to concentrate on capturing your subject at the most dramatic moment.

## Predictive Focus Control

This advanced feature enables the Dynax 8000i to achieve optimum sharpness with fast-moving subjects by adjusting focus right up to the exact instant of exposure. It allows the camera to track and maintain focus on a moving subject, continuing to adjust focus even while the mirror moves up between shots. So it lets you take a precisely-focused series of action pictures, leaving conventional autofocus SLRs far behind.



With the Dynax 8000i's sequence autofocus shooting and Predictive Focus Control: Perfectly focused pictures.



The difference is in the time lag: with conventional autofocus systems, focus is frozen when the mirror starts to swing up (A), but Minolta's Predictive Focus Control calculates the subject position at the instant of exposure (B), based on subject movement prior to mirror swing-up, and then sets focus to this position before the exposure is made.

Freezing the fastest moving subject with 1/6000 sec. shutter speed and the Dynax 8000i's Intelligent Autofocus creates photographic magic.



The Dynax 8000i's 1/8000 sec. shutter speed allows you to look in on a world of unbelievable beauty.

## High-Speed Autofocus/High-Speed 1/8000 Sec. Shutter

Total performance means capturing the peak moment in fast action with Minolta's high-speed autofocus technology and the Dynax 8000i's newly designed shutter. The eight-blade vertical traverse shutter is super-lightweight and provides an astonishing 1/8000th of a second shutter speed. With a camera and system so lightweight, your opportunities for freezing fast action in images of crisp clarity and drama are greatly increased.



*The Dynax 8000i features a high-speed electronic shutter with speeds ranging from 30 seconds to 1/8000th of a second. Maximum flash sync is at 1/200th of a second.*



## Three Frames Per Second Sequence Shooting

Intelligent Autofocus combines high-sensitivity CCD sensors, high-speed computer data processing and a high-speed lens drive motor in the camera's compact body to provide continuous drive mode at three frames per second with no extra, bulky equipment. Focus-priority shutter-release assures sharp, precisely-focused sequences shot after shot — crucial when your subject is moving quickly towards or away from you.
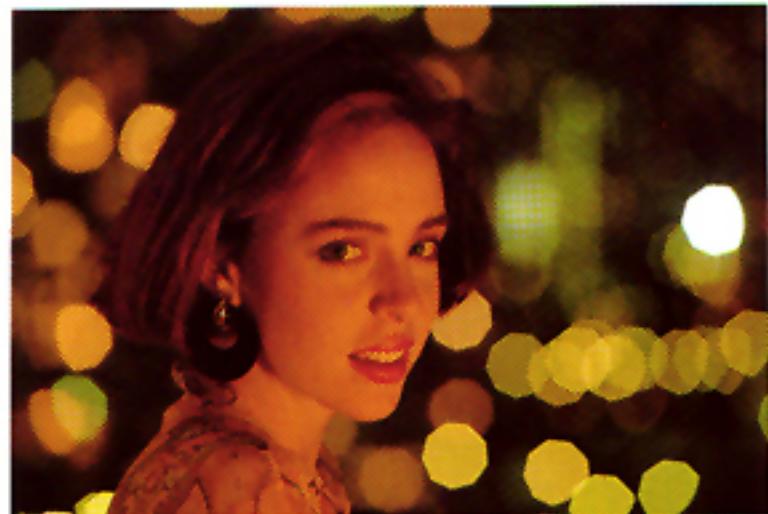


## Low-Light Autofocus

The Dynax 8000i lets you master low-light photography with ease. High-sensitivity CCD sensors work at extremely low light levels down to EV 0. The high-power built-in AF illuminator provides for precise autofocusing even in total darkness by projecting a beam of red LED light on your subject. This system works with subjects up to nine meters away, even when flash is not used.

**Controls Exposure Automatically For Astonishing Images.**
Total control of exposure. It's an important part of the complete satisfaction you achieve with the Dynax 8000i. Its Intelligent Exposure System with autofocus-integrated multi-pattern metering and advanced 1/8000 sec. shutter lets you automatically take natural-looking pictures in all lighting situations. And capture enhanced creative images with the versatility of multiple exposure and creative exposure control modes.

With the Dynax 8000i's automatic contrast compensation.


Without automatic contrast compensation.

## Autofocus-Integrated Multi-Pattern Metering System

Autofocus-integrated multi-pattern metering is another Minolta technological breakthrough for advanced creative versatility with the Dynax 8000i. Multiple-metering sensors provide separate readings from each area, which the camera combines with the main subject data from the autofocus computer to determine the best exposure for your subject every shot.



## Automatic Contrast Compensation

The Dynax 8000i's Autofocus-Integrated Multi-Pattern Metering System automatically provides the best contrast compensation for both backlit and spotlit subjects.

## Metering Systems

The Dynax 8000i's Intelligent Exposure System offers you superior versatility in exposure control with three different metering systems.



### Center-Weighted Average Metering

With this metering system, exposure is based on an average of the various light and dark tones in the scene, with additional emphasis (weight) given to the center area.



### Spot Metering

When subject contrast becomes challenging, just press the Dynax 8000i's spot metering button. The camera meters only the important parts of your subject for pinpoint exposure precision.



### AF/AE Lock

When the best picture calls for off-center composition, simply press the shutter button halfway down to focus on your subject, then hold it there. Both focus and exposure will be locked allowing you to re-frame the subject any way you want it.

*Wide*



*Tele*

## Advanced Automatic Multi-Program Selection (AMPS)

The Dynax 8000i's Advanced Automatic Multi-Program Selection selects the best exposure for any lens you use, including zoom lenses. With shorter focal lengths the selected program chooses smaller apertures for more depth of field. With longer focal lengths the selected program chooses faster shutter speeds to reduce the chance of blur caused by camera or subject movement. A ROM integrated circuit in each lens supplies complete lens data to the camera's computer. Advanced AMPS frees you to create greater images, since there are no settings or adjustments to make.

*Standard*



Advanced Automatic Multi Program Selection
(with AF-35—105mm f/3.5—4.5)
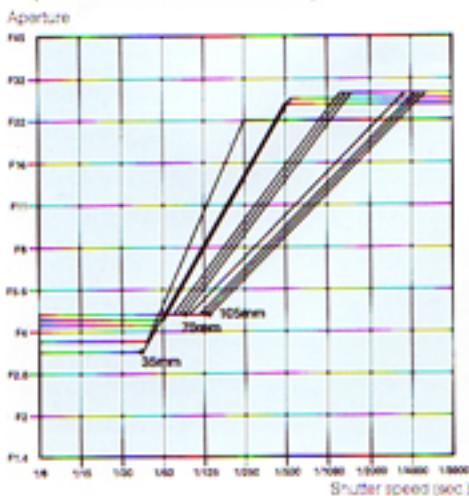


## Program Shift

Program shift gives you the ease of programmed operation without giving up creative control. One touch automatically lets you manually select alternate programmed aperture and shutter speed combinations, while maintaining correct exposure. Just use the setting control to shift the program in half-stop increments.
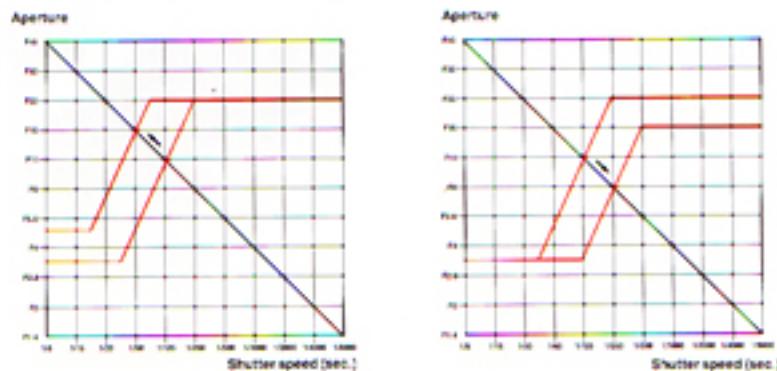


## Creative Exposure Control

For even more versatility in exposure control, the Dynax 8000i offers you three creative exposure modes in addition to program mode to capture the results you want in any photographic situation.

### A Mode

Controlling picture sharpness is one-touch simple with A mode. Electronic aperture selection lets you soften the mood by using large lens openings to blur the background. Or use small openings for increased depth of field. A single setting control is located conveniently near the shutter-release button for fast, positive adjustment. With each adjustment the camera's computer automatically selects the best shutter speed for correct exposure.

### S Mode

For moving subjects, simply shift the Dynax 8000i into S mode. It lets you capture fast-moving subjects perfectly by controlling the shutter speed. The camera provides shutter control from 30 seconds to 1/8000th of a second. The corresponding aperture for the correct exposure is automatically selected for you.

### M Mode

By switching the camera to Manual exposure mode you can directly control exposure. Aperture and shutter-speed settings can be varied for a desired creative effect, and you can choose to give the film more or less exposure than normal. Current camera settings are easily monitored on the Dynax 8000i's easy-to-read LCD panel.



## Mutiple Exposure

Taking multiple exposure photographs is more exciting than ever with the Dynax 8000i's. The Dynax 8000i allows you to make multiple exposures on a single frame.
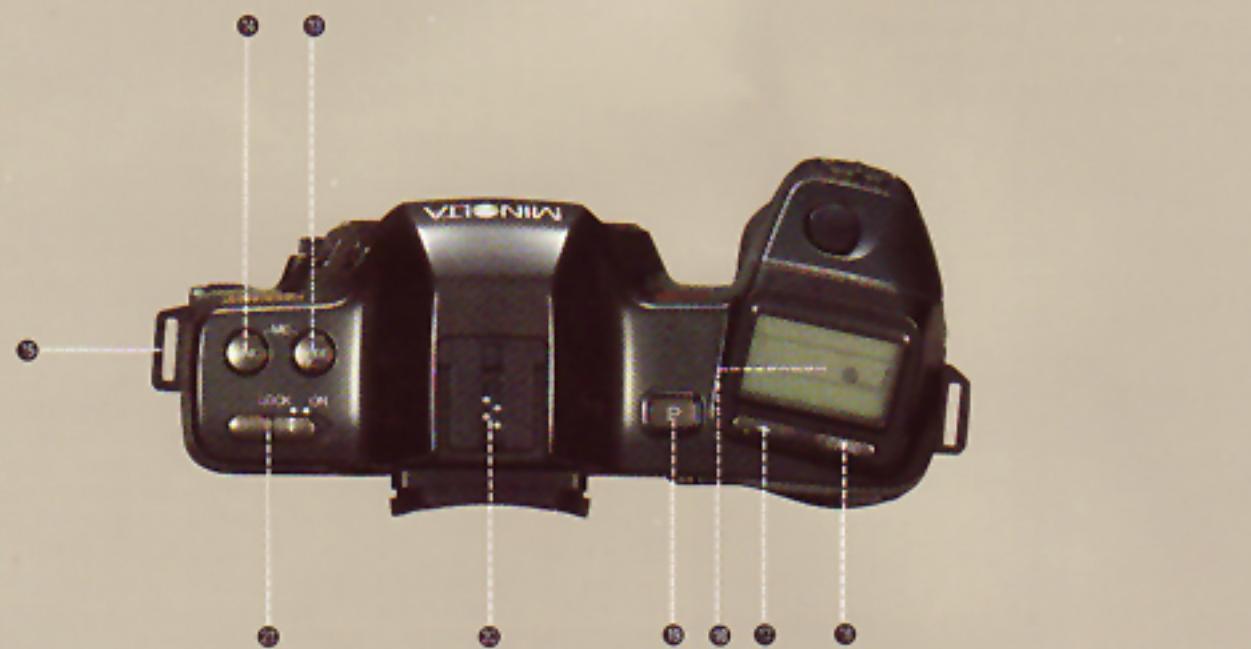
## Help You Create With Advanced Versatility.

① AF Illuminator/Self-timer light
② Exposure-adjustment button
③ Aperture button
④ Lens-release
⑤ Sync terminal
⑥ Remote-control terminal
⑦ Setting control
⑧ Shutter-release button
⑨ Focus-mode switch
⑩ Mirror
⑪ AF coupler
⑫ Lens contacts
⑬ Exposure-mode button
⑭ Function adjustment button
⑮ Strap eyelet
⑯ Card on/off key
⑰ Function-selector key
⑱ Data panel
⑲ Program-reset button
⑳ Accessory shoe
㉑ Main switch
㉒ Card window
㉓ Card door
㉔ Self-timer button
㉕ Film-speed button
㉖ Rewind button
㉗ Card-adjust button
㉘ Card-eject slide
㉙ Eyepiece cup
㉚ Back cover release
㉛ Film-window
㉜ Focus hold button
㉝ Spot button
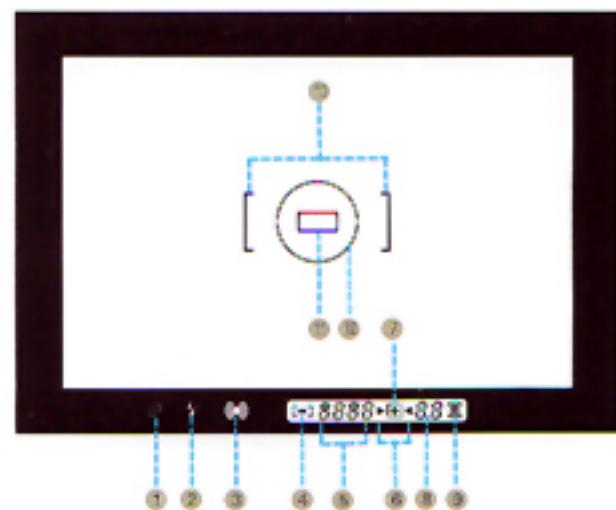
① Flash-on signal
② Flash-ready signal
③ Focus signal
④ Center focus area
⑤ Shutter speed
⑥ Metering indicators
⑦ Exposure-adjustment symbol
⑧ Aperture/Exposure adjustment
⑨ Metering mode indicator
⑩ Wide focus area
⑪ Center focus area
⑫ Spot metering area

### Full Information Viewfinder

The Dynax 8000i's full information viewfinder provides essential data readouts to guide you to accurate control over camera functions. With all important information before you, there's no need to glance away from the viewfinder when you shoot. The camera automatically illuminates the viewfinder LCD panel all the time to keep you fully informed.
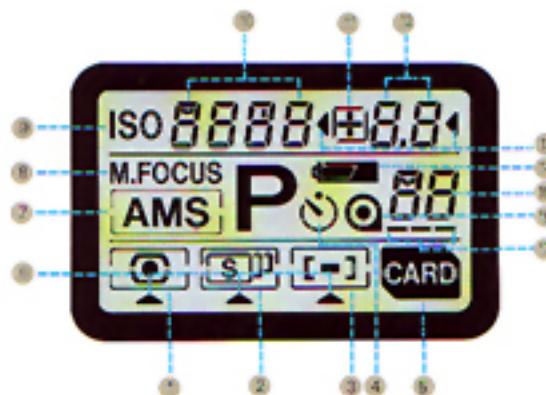
① Metering mode indicator
② Film-advance mode indicator
③ Focus-area indicator
④ Self-timer indicator
⑤ Card-in-use indicator
⑥ Function pointers
⑦ Exposure-mode indicator
⑧ Manual-focus-mode indicator
⑨ Film-speed mark
⑩ Shutter speed/Film speed/Card name
⑪ Exposure-adjustment mark
⑫ Aperture/Exposure adjustment
⑬ Selectable-setting pointers
⑭ Battery condition indicator
⑮ Frame counter/ Multiple exposure
⑯ Film cartridge mark
⑰ Film transport signals

### Easy-To-Read LCD Data Panel

The Dynax 8000i's large, top-mounted LCD data panel makes it easy to select and confirm the camera's operation. Simple push-button operation and easy to understand symbols let you quickly set the camera for the mode you want.

## MORE DYNAX 8000i FEATURES FOR VERSATILITY.



**① Program-Reset Button**
Just press the program-reset button to cancel all previously set focus and exposure modes. The Dynax 8000i automatically returns to these settings:
- Exposure mode: P-mode, flash command mode (when flash is attached)
- Focus mode: Autofocus mode
- Drive mode: Single drive mode
- Focus area: Wide focus area
- Exposure adjustment: +/−0.0

**② Film Window**
Lets you instantly confirm whether film is loaded or not, and what type of film is loaded.

**③ Accessory Shoe**
For attachment of Dynax System Accessories including Program Flash units, Data Receiver and Wireless Controller.

**④ Long Eye-Relief Finder**
Lets you use the viewfinder more comfortably by keeping your eye as far back as 19 mm. This allows easier and faster monitoring of your subject, letting you move your eye back and forth between the subject and viewfinder image. This feature is also an advantage for photographers who wear glasses.

**⑤ Spot Metering Button**
Provides one-touch activation of the spot metering function.

**⑥ Focus-Hold Button**
Focus-hold makes it easy to handle subjects positioned outside the focus frame when you operate the camera in autofocus mode. With the focus-hold button, the AF system is automatically disengaged. In addition, the optional Customized Function Card allows changing the button function to either continuous AF or center-area AF.

**⑦ Multiple Exposure Control**
Pressing the Function and Mode buttons simultaneously sets the Dynax 8000i for a multiple exposure.
Adding the Dynax 8000i's Multiple Exposure Card allows taking up to nine exposures in one of three selectable modes.

**⑧ Easy-To-Read LCD Panel**
The Minolta Dynax 8000i's angled, large, easy-to-read LCD (Liquid-Crystal-Display) data panel provides complete information and keeps you informed of everything from exposure mode to battery level. LED illumination makes the data panel easy to read even in total darkness.

**⑨ AF Illuminator/Self-Timer Light**
The Dynax 8000i's automatically activated AF illuminator enables the autofocus system to keep working in low-light, low-contrast situations.
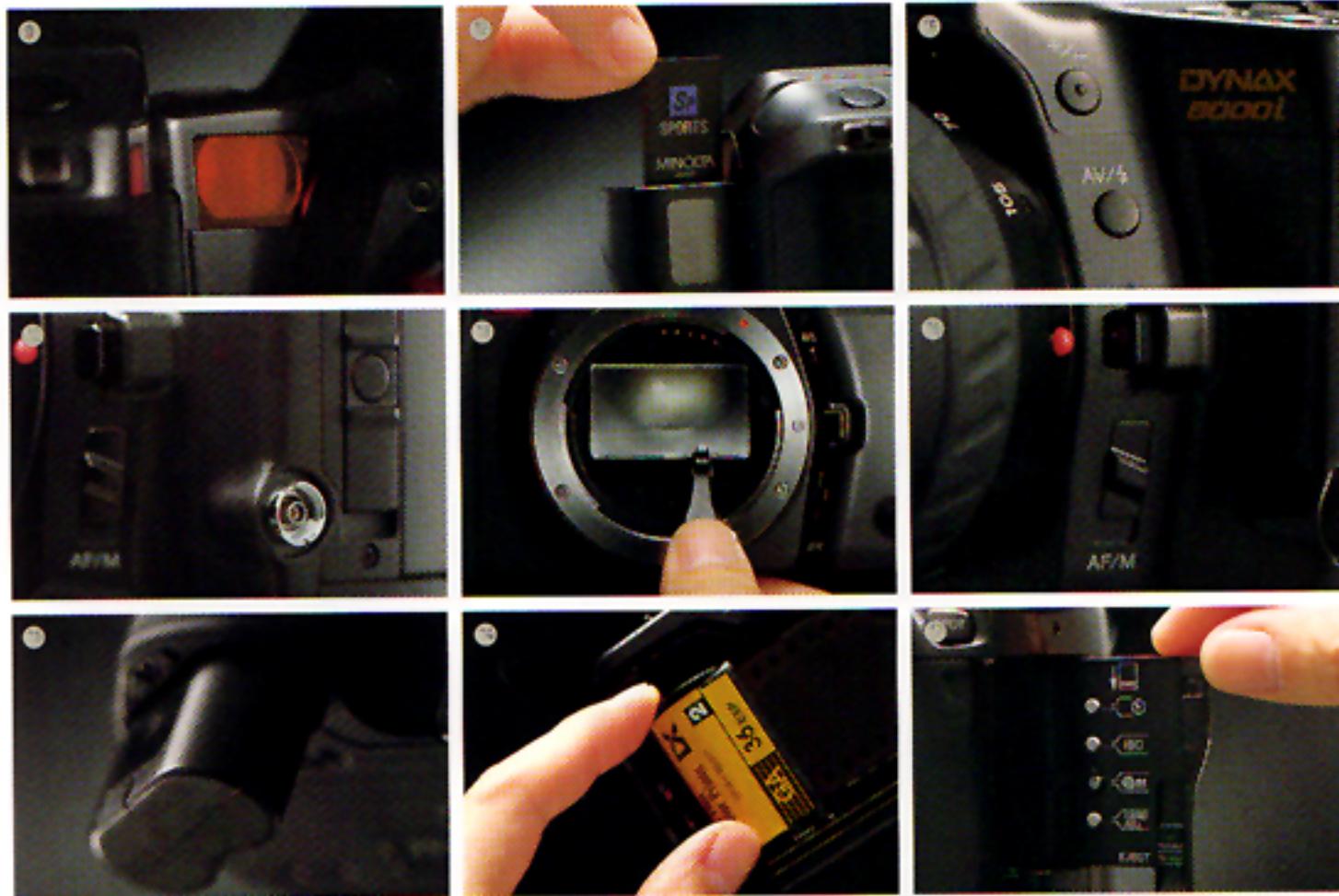
### Sync Terminal
PC-type flash-sync cords can be connected to trigger studio/commercial strobes and other non-dedicated flash units. Its sturdy, threaded socket provides extra-secure connection.

### Battery Cover
The camera uses a long-life 6V (2CR5) battery that provides excellent performance, even in low temperatures.

### Card Door
Accommodates Creative Expansion Cards, and conceals other function buttons until you need them.

### User-Changeable Focusing Screens
You can change the Dynax 8000i's standard focusing screen with either of two optional focusing screens. Tweezers are supplied with each screen, and installation is fast and easy.

### Film Loading And Auto DX Setting
Simply drop in the film cartridge and close the back. The Dynax 8000i automatically advances the film to the first frame and then advances it after each shot. With DX-coded film, the film speed will be set for you automatically.

### Auto DX Memory
With the Dynax 8000i's exclusive Auto DX Memory feature, whenever you manually change a DX film speed setting, the camera's computer will automatically use this setting when a next film cartridge with the same DX coding is inserted.

### Exposure Adjustment
Creative control of exposure, even in automatic modes, is a necessity for the serious photographer. The Dynax 8000i's conveniently placed exposure-adjustment control permits exposure changes in half-stop increments, up to four stops over or under normal exposure. Exposure-adjustment settings can be monitored through the viewfinder for easy operation, and an exposure adjustment reminder appears in the data panel when this function is selected.

### AV/Flash Button
The AV/Flash button has two functions. In M mode, it is used for aperture selection. In P mode operation with an i-series flash, pressing the AV/Flash when the shutter is released causes the flash to fire regardless of the ambient light level.

### Focus-mode switch
You can select either autofocus or manual focus by sliding this switch.

### Film Speed Button
To set the film speed, hold down and move the shutter setting control. You can check the setting by pressing the film speed button and referring to the viewfinder or data panel. With DX-coded films, the speed is automatically set, but can also be manually adjusted.

### Self-Timer Button
The electronic timer delays shutter release for 10 seconds. Operation is indicated by flashing LED.

## Program Flash 5200i

1. Flash tube
2. AF illuminator
3. Mounting-foot release
4. External power terminal
5. Vertical-angle guides
6. Horizontal-angle guides
7. Data panel
8. TTL • M/FREQ button
9. LIGHT/MULTI button
10. ON/OFF button
11. MENU button
12. ZOOM/REAR button
13. LEVEL/RATIO button
14. TEST button
15. Flash-ready signal
16. Mounting foot
17. Battery cover
18. Film switch (inside the battery cover)
19. Accessory terminal
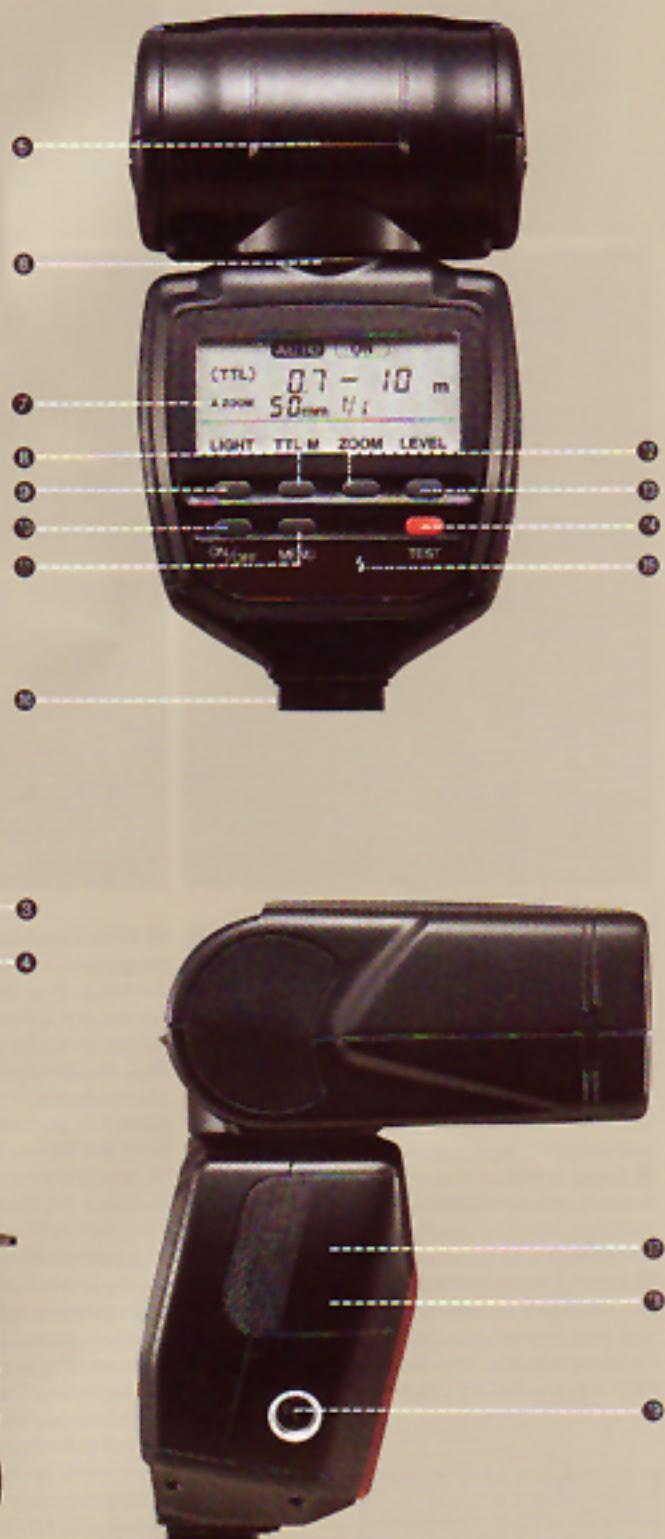
## GREATLY ENHANCES FLASH PHOTOGRAPHY.

### Program Flash 5200i

The most powerful flash unit available for the Dynax 8000i, Program Flash 5200i gives you flash operation fully integrated with the camera's autofocus and exposure controls for a new standard in performance. Suitable for a wide spectrum of flash situations, it features a powerful guide number of 52 in meters at ISO 100. Program Flash 5200i is also the first flash unit of its kind to offer multi flash settings up to 50 Hz. Flash recycling is synchronized with motor drive operation for sequential flash shooting at three frames per second. TTL direct autoflash metering is provided in all automatic flash modes for accurate exposures in every situation.



### Flash Command System

In Program mode with the Dynax 8000i, the flash command system automatically activates the flash whenever required. So you'll never have to guess when or where to use flash with the Dynax 8000i. You can shoot precisely focused, correctly exposed flash pictures with full confidence in any lighting condition. Even with no light at all.



### 1/200 Sec. Flash Sync

The Dynax 8000i's advanced shutter design makes it possible for you to take flash pictures at 1/200 of a second peak flash sync speed. This technology reduces the effects of artificial light in indoor flash photos to create more natural color rendition. It also lets you use wider apertures for improved depth of field control, while achieving a more natural daytime flash balance for outdoor fill-flash pictures as well.

### Advanced Automatic Fill-Flash

In Program mode the Dynax 8000i automatically detects when your main subject is backlit. A special fill-flash program adjusts aperture and shutter speed to maintain a natural look. TTL direct autoflash metering precisely controls flash duration to prevent overexposure of your subject.



*With the Dynax 8000i's advanced automatic fill-flash*



*Without fill-flash*
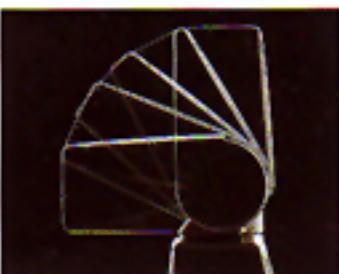
**Bounce Flash**

Program Flash 5200i's two-way bounce head pivots 90-degrees upwards and 270-degrees side-to-side to provide you with softer, more natural lighting for portraits and group shots.



**Multi-Burst Flash**

This innovative feature lets you set the Program Flash 5200i for repeated flash bursts on a single frame. Both the flash firing frequency and the number of bursts can also be selected. The function is particularly useful for motion studies.



With the automatic lighting-ratio control





With single flash

**Automatic Lighting-Ratio Control**

A second Program Flash can be easily attached to the 5200i's accessory terminal. Then, using the 5200i's ratio switch, the power output of the two units can be controlled to provide 2:1, or 1:2 lighting ratio.

24 mm



50 mm



85 mm



## Zoom Flash

When you use Minolta AF Zoom lenses with the Dynax 8000i, Program Flash 5200i's internal power zoom head automatically adjusts flash coverage between 24 mm and 85 mm, according to the focal length of the lens. You can also manually control the flash's zoom position for complete creative control.

## A-Mode Flash

You can select any available aperture for precise flash picture results when you use the Dynax 8000i's A-mode (aperture-priority) with TTL direct autoflash metering. You can choose larger apertures for maximum flash range or smaller apertures for more depth of field in closeups.

## M-Mode Flash

When you shoot flash pictures in the Dynax 8000i's M-mode (manual), you can select any shutter speed from the top flash sync or slower and any available aperture for enhanced flash creativity.

## Slow Shutter Sync

This technique allows you to increase the background exposure to bring out more background details. Slow shutter sync also creates a more natural balance between your subject and the background.

## Program Flash

The Dynax 8000i's Intelligent Flash System provides you with a great choice of Minolta Program Flash units. Sophisticated system integration lets you take beautiful flash pictures with complete confidence, anytime and anywhere.







## Program Flash 3200i

This advanced, yet easy to use flash unit provides powerful flash coverage with a guide number of 32 in meters at ISO 100, advanced electronic control and fast recycling. Its built-in power zoom head automatically adjusts flash coverage from 28 mm to 85 mm.

## Program Flash 2000i

This flash is very compact and lightweight. It features simple operation and has a guide number of 20 in meters at ISO 100.

## Macro Flash 1200AF Set

This set provides your Dynax 8000i with versatile illumination for macro shooting in medical, scientific and hobby photography.

## The Creative Expansion Card System



1 — **B** BRACKET MINOLTA
Exposure Bracketing Card

2 — **Sh** SHIFT MINOLTA
Automatic Program Shift Card

3 — **H/S** H/S MINOLTA
Highlight/Shadow Control Card

4 — **F** FANTASY MINOLTA
Fantasy Effect Card

5 — **Da** DATA MINOLTA
Data Memory Card

6 — **Ms** MULT SPOT MINOLTA — New
Mult Spot Memory Card

7 — **Fb** FLASH-BR MINOLTA — New
Flash Bracketing Card

8 — **Me** MULT-EXP MINOLTA — New
Multiple Exposure Card

9 — **P** PORTRAIT MINOLTA
Portrait Card

10 — **De** DEPTH MINOLTA
Automatic Depth Control Card

11 — **Sp** SPORTS MINOLTA
Sports Action Card

12 — **Cl** CLOSEUP MINOLTA
Closeup Card

13 — **Cu** CUSTOM MINOLTA
Customized Function Card



### Computer Software To Expand Creativity.

The Dynax 8000i has a great way to expand your creativity and enlarge your Minolta Dynax System in the future. The Creative Expansion Card System gives you everything you need to turn everyday snapshots into exciting images. Each card opens a new world of creative possibilities. Simply slip a card into the card door slot and it instantly interfaces with the camera's main computer, just like a software program. This system gives you the confidence to create your best pictures with easy operation.

### Feature Cards

These cards add advanced features to the camera's capabilities.



**1 Exposure Bracketing Card**
This card automatically varies the exposure in a series of shots to achieve the best creative effect. You can set the card to expose 3, 5 or 7 frames with 0.3-, 0.5-, or 1-stop changes in exposure between frames.



**2 Automatic Program Shift Card**
It automatically exposes a three-frame series of shots with a preset program shift between each frame. The programmed shutter-aperture combination is automatically varied without changing exposure. You can set the shift to 1, 2 or 3 stops.

### 3 Highlight/Shadow Control Card

This combination card lets you use the spot metering system to make highlight- or shadow-biased exposures. The camera adjusts the exposure to reproduce highlight and shadow scenes more naturally. Highlight exposures are increased 2.3 stops from normal value, and shadow exposures are decreased 2.7 stops.

### 4 Fantasy Effect Card

You can create a soft, dreamlike effect in your picure with this card, which automatically changes the focus during exposure. In bright light when a smaller aperture is set, a zooming effect is produced.

### 5 Data Memory Card

This card stores these data for up to 40 exposures: exposure mode, shutter speed, aperture, lens focal length, maximum aperture of lens and exposure adjustment. You can recall data to the data panel when you want to check settings used for previous exposures.

*With multi-spot metering*

*Without multi-spot metering*

### 6 Multi Spot Memory Card

**New**

Designed to meet the needs of advanced photographers, the Multi Spot Memory Card accommodates up to eight spot exposure measurements, then calculates exposure as an average of these values.

### 7 Flash Bracketing Card

**New**

This card lets you automatically bracket a series of 3, 5, 7 flash pictures which differ by a selectable exposure change (0.5 or 1 stop). It conveniently automates a process that many demanding photographers, who require a high degree of exposure accuracy, currently handle manually.

### 8 Multiple Exposure Card

**New**

This card opens the door to a world of creative possibilities. It allows the photographer to make up to nine separate exposures on a single frame, using any of three selectable modes: Normal, Fade-In, and Fade-Out.

## Special Application Cards

These cards let you easily master sophisticated techniques for special applications.

### 9 Portrait Card

This card uses a special exposure program to maintain the best shutter-aperture combination for hand-held portraits.

### 10 Automatic Depth Control Card

This card automatically adjusts depth of field to provide maximum sharpness for the scene you're shooting. It's great for travel photography.

### 11 Sports Action Card

This card uses a high-speed exposure program that maintains a fast shutter speed to freeze sports and other fast-moving action.

### 12 Closeup Card

This card controls the aperture setting to provide optimum depth of field for closeup and macro pictures.

### 13 Customized Function Card

The Dynax 8000i's Customized Function Card lets you reprogram a wide range of camera functions to fit your personal style of photography, including:

- Frame number: Increasing or decreasing numbers
- Film rewind: Automatic or manual start
- Film leader: Rewound into cartridge or left out
- Focus-hold button (Camera body, New AF 70-210mm Zoom, AF 100-300mm Zoom, AF 200mm Apo, AF 300mm Apo, AF 600mm Apo, AF Reflex 500mm); Focus hold, center area focusing, or continuous focus adjustment
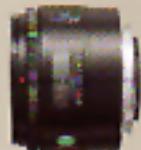
## The World's Largest Selection Of Interchangeable Autofocus Lenses.

The Dynax 8000i is the heart of the world's most complete selection of interchangeable autofocus lenses. There are now 32 Minolta AF lenses ranging in length from 16 mm to 600 mm, including zoom, standard, wideangle, telephoto, special and converter optics. Best of all, each autofocus lens is specially designed to match your Dynax 8000i for unsurpassed performance of camera and lens.

**16 mm** **20 mm** **24 mm**

**28 mm** **35 mm** **50 mm**

**85 mm** **100 mm** **135 mm**

**200 mm** **300 mm** **600 mm**
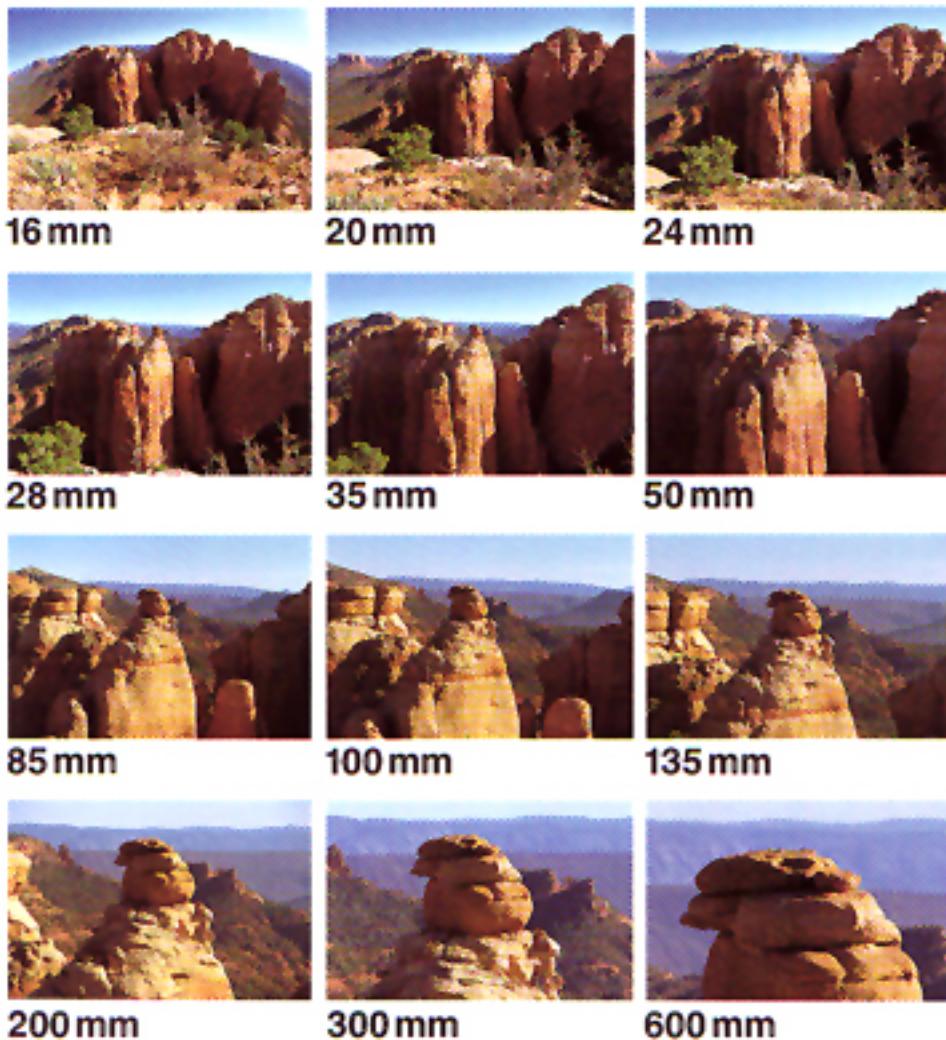
### Wideangle Lenses
Minolta AF wideangle lenses provide a wider field of view that lets you see more of a scene than a standard lens. The shorter the focal length, the more area you can get into the picture from the same camera position. These lenses are ideal for landscapes and group shots.

### Standard Lenses
Minolta AF standard lenses are all-purpose lenses perfect for general photographic situations, from nature photography and action shooting to family pictures.

### Telephoto Lenses
Minolta AF telephoto lenses let you get optically closer to your subject and isolate your subject from its surroundings. They're ideal for candid portraits, sports, news and nature photographs.

### Zoom Lenses
Minolta AF zoom lenses cover the range of several fixed focal length lenses. Their superb design makes it easy to vary the focal length and field of view, letting you precisely crop your picture without changing lenses. The Dynax 8000i automatically changes program selection as you zoom.

### Special Lenses
The Minolta AF lens system offers a number of special lenses like the AF 16 mm fisheye and three AF macro lenses, including the new motorized AF Macro Zoom 3X-1X. These lenses serve a wide variety of photographers, from scientists and hobbyists to anyone interested in greater creative effects with the Dynax 8000i.

### AF Macro Zoom 3X-1X

This lens is designed exclusively for use with a Minolta AF SLR camera. It is the world's first and only AF lens able to operate in the 3X to 1X magnification range.

**1X** **2X** **3X**

# SYSTEM ACCESSORIES

## The World's Most Complete Autofocus SLR System.

The Dynax 8000i's system accessories set a new standard for intelligent autofocus SLR photography. Select a Program or Data Back for more versatility in camera information, data imprinting and creative control. And build your own Dynax System from a wide range of other accessories designed to link up with the Dynax 8000i for superb photographic versatility.



### Program Back PB-7

The Program Back PB-7 is a super-computerized, multi-functional back that offers you more convenience and versatility with the Dynax 8000i. Program Back PB-7 lets you select and combine data imprinting, intervalometer and long exposure functions. This accessory uses precise quartz circuitry for superior accuracy. Operation is fully integrated with the camera.



### Data Back DB-7

You can print the date or time in your pictures with the Data Back DB-7. It gives you the choice of printing the date as day/month/year, month/day/year or year/month/day. You can print the time of exposure in the 24-hour format, or select the 12-hour format with symbols for a.m. or p.m. Data imprinting can also be switched off if you wish. The Data Back DB-7 quickly and easily replaces the Dynax 8000i's standard back.



### Camera Control

You can set the camera to start shooting sequences and long exposures with automatic operation. Selection is easy with control keys and an easy to read LCD panel.

### Data Imprinting

Four kinds of data can be imprinted in the lower right corner of your pictures: time, date, frame count and codes up to six digits. Imprinting exposure control is automatically set according to the camera's film speed.

- Time: Accurate day, hour and minute imprinting pinpoints the precise moment of exposure.
- Date: Month, day and year can be imprinted in one of three combinations.
- Count: Frames can be sequentially numbered.
- Code: Any six-digit number can be imprinted to encode any frame.



### Wireless Controller IR-1N Set

This accessory lets you operate the Dynax 8000i by wireless remote control from up to 60 meters away. Three separate channels allow any number of cameras to be operated simultaneously or independently in up to three individual groups. The choice of single or continuous drive modes provides you with even more versatility.

# SYSTEM CHART

PROGRAM FLASH 2300i
PROGRAM FLASH 5200i
PROGRAM FLASH 800i
MACRO FLASH 1200AF SET N

PROGRAM FLASH D-316i
PROGRAM FLASH D-314i

DYNAX 3000i
DYNAX 5000i
DYNAX 7000i
DYNAX 8000i
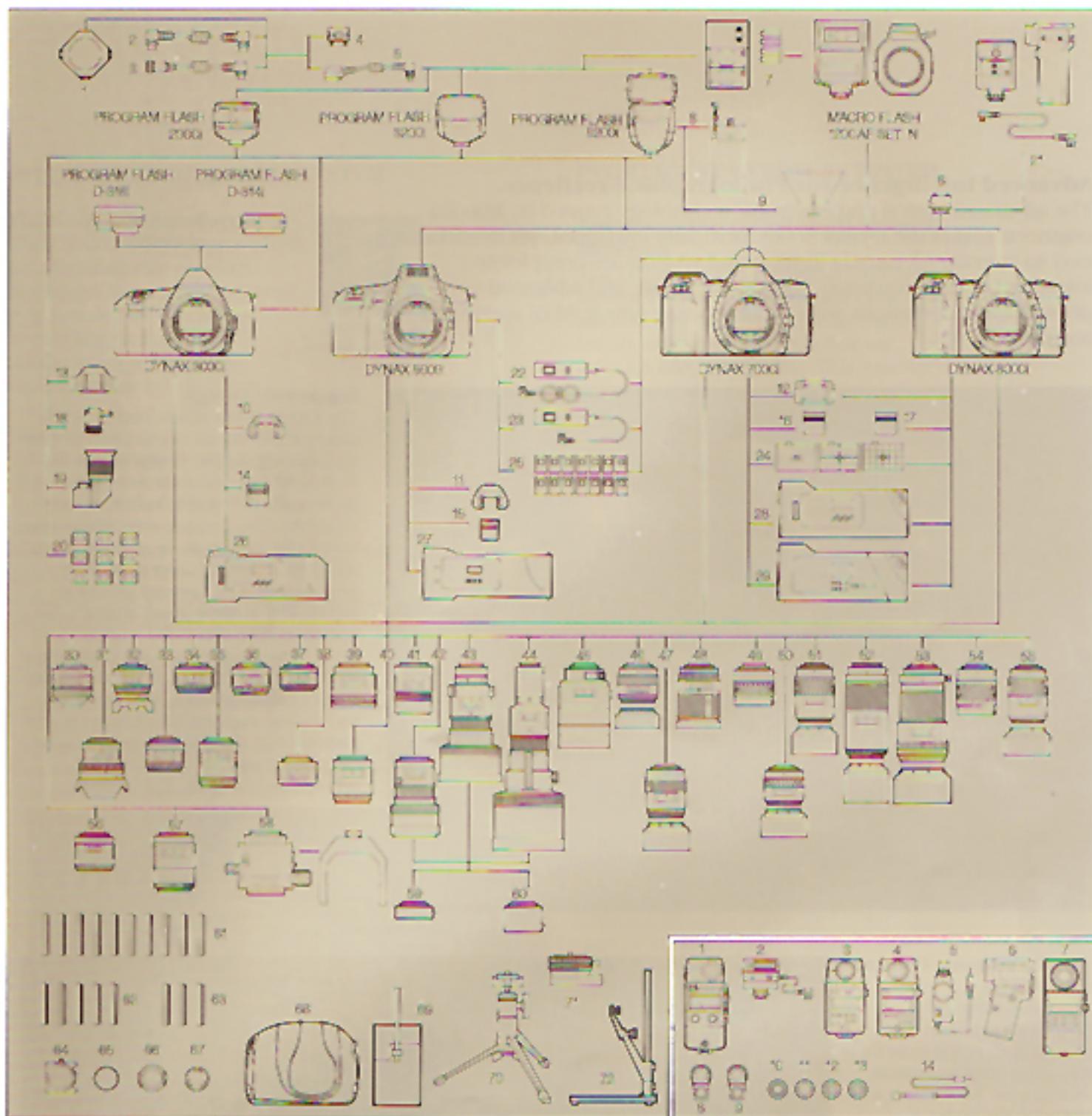
## Flash Accessories

1. Triple Connector TC-1000
2. Cable CD
3. Cable EX
4. Off Camera Shoe DS-1100
5. Off Camera Cable OC-1100
6. Flash Shoe Adapter FS-1100
7. Ni-Cd Charger NC-2
8. External Battery Pack EP-1 Set
9. Bounce Reflector III Set

## Camera Accessories

10. Eyepiece Cup EC-8
11. Eyepiece Cup EC-6
12. Eyepiece Cup EC-7
13. Eyepiece Cap
14. Accessory Shoe Cap SC-3
15. Accessory Shoe Cap SC-6
16. Accessory Shoe Cap SC-7
17. Accessory Shoe Cap SC-8
18. Magnifier Vn
19. Anglefinder Vn
20. Eyepiece Corrector 1000
21. Wireless Controller IR-1N Set*
22. Remote Cord RC-1000L
23. Remote Cord RC-1000S
24. Focusing Screen 7
25. Creative Expansion Cards**
26. Data Back DB-3
27. Data Back DB-5
28. Data Back DB-7
29. Program Back PB-7

30. AF 16mm f2.8 Fisheye
31. AF 20mm f2.8
32. AF 24mm f2.8
33. AF 28mm f2
34. AF 28mm f2.8
35. AF 35mm f1.4
36. AF 35mm f2
37. AF 50mm f1.4
38. AF 50mm f1.7
39. AF 85mm f1.4
40. AF 100mm f2
41. AF 135mm f2.8
42. AF 200mm f2.8 Apo
43. AF 300mm f2.8 Apo
44. AF 600mm f4 Apo
45. AF Reflex 500mm f8***
46. AF 24 – 50mm f4
47. AF 28 – 85mm f3.5 – 4.5
48. AF 28 – 135mm f4 – 4.6
49. AF 35 – 80mm f4 – 5.6
50. AF 35 – 105mm f3.5 – 4.5
51. AF 70 – 210mm f3.5 – 4.5
52. AF 75 – 300mm f4.5 – 5.6
53. AF 80 – 200mm f2.8 Apo
54. AF 80 – 200mm f4.5 – 5.6
55. AF 100 – 300mm f4.5 – 5.6
56. AF 50mm f2.8 Macro
57. AF 100mm f2.8 Macro
58. AF Macro Zoom 3X – 1X f1.7 – 2.8
59. AF 1.4X Tele Converter II Apo

60. AF 2X Tele Converter II Apo
61. Filters
62. Polarizer Filters
63. Close-up Lenses
64. Gelatin Filter Holder
65. Body Cap
66. Front Lens Cap
67. Rear Lens Cap
68. Camera Case
69. Lens Case
70. Mini Tripod TR-1
71. Panorama Head II
72. Copy Stand II

## Meters

1. Flash Meter IV
2. Data Receiver DR-1000*
3. Auto Meter IIIF
4. Auto Meter III
5. Booster II
6. Spotmeter F
7. Color Meter III
8. Viewfinder 5°
9. Viewfinder 10°
10. 4X & 8X Spherical ND Diffuser
11. Spot Mask
12. Flat Diffuser
13. Reflected light Attachment
14. Mini Receptor

*Usable only with Dynax 8000i or 7000i with Flash Shoe Adapter FS-1100
**Dynax 8000i accepts all cards except A/S Mode Card. Dynax 7000i accepts all cards except A/S Mode Card and Multiple Exposure Card. Dynax 5000i accepts Special Application Cards and A/S Mode Card.
***Used with Dynax 8000i, 7000i or 5000i, can be operated in either autofocus or manual focus mode with other Minolta AF SLR cameras (Dynax 3000i, 5000i, 7000i, 9000i manual focus only, by reference to the viewfinder screen is possible.

### NOTE:

The Minolta Dynax System is designed and produced to offer innovative functions and performance through the combination of Minolta Dynax camera bodies, Minolta AF lenses, Minolta Program Flash units and other accessories distributed by Minolta. We thus caution users that the attachment or use of incompatible lenses, flashes, or accessories may result in unsatisfactory performance or damage to the Minolta Dynax cameras or their system accessories. For optimum performance throughout the life of the Minolta Dynax cameras and their accessories and to obtain the benefits of future Minolta Dynax system products, we recommend use only of lenses, flashes and other accessories distributed by Minolta for the Minolta Dynax camera.

## Advanced Intelligence For Photographic Excellence.

The advanced optical and electronic technology created by Minolta engineers makes the Dynax 8000i incredibly intelligent, yet remarkably easy to operate. All camera features and systems are completely integrated to help you easily control both basic and advanced photographic operations with an astonishing new level of speed and accuracy.



## Ergonomic Design

The Dynax 8000i is designed to be the supreme tool for intelligent photography. Minolta's ergonomic design means the Dynax 8000i is comfortable in your hands and comfortable to hold up to your eyes. The long eye relief allows you to hold the camera as far as 19mm from your eye, making it easier to monitor your subject. The camera's precision adjustment controls assure smooth, fast operation. The data panel is angled to make it easy to read, and automatically illuminates in low light. Since the Dynax 8000i's focusing motor, focus sensors and microcomputers are all built into the camera body, the size and weight of the camera and lens are minimized for unsurpassed handling and control.
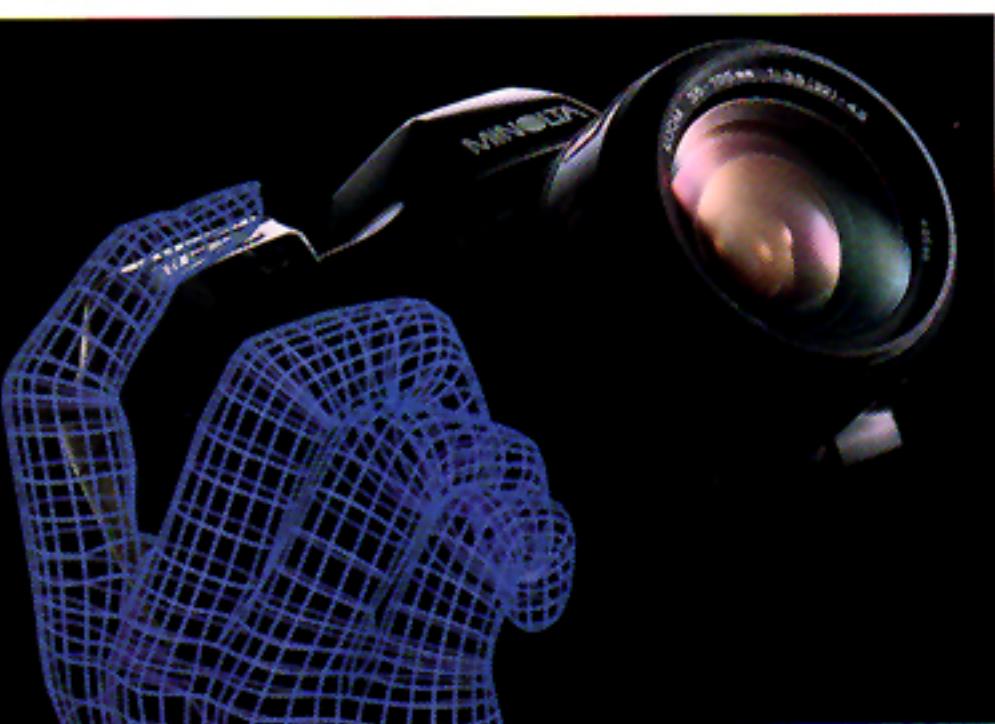
## Advanced Computer Control

The Dynax 8000i is a "host" computer that completely interfaces with its system accessories, responding instantly to every photographic situation. All photographic information is transferred to the main CPU, which then processes the data and directs the camera's operations.
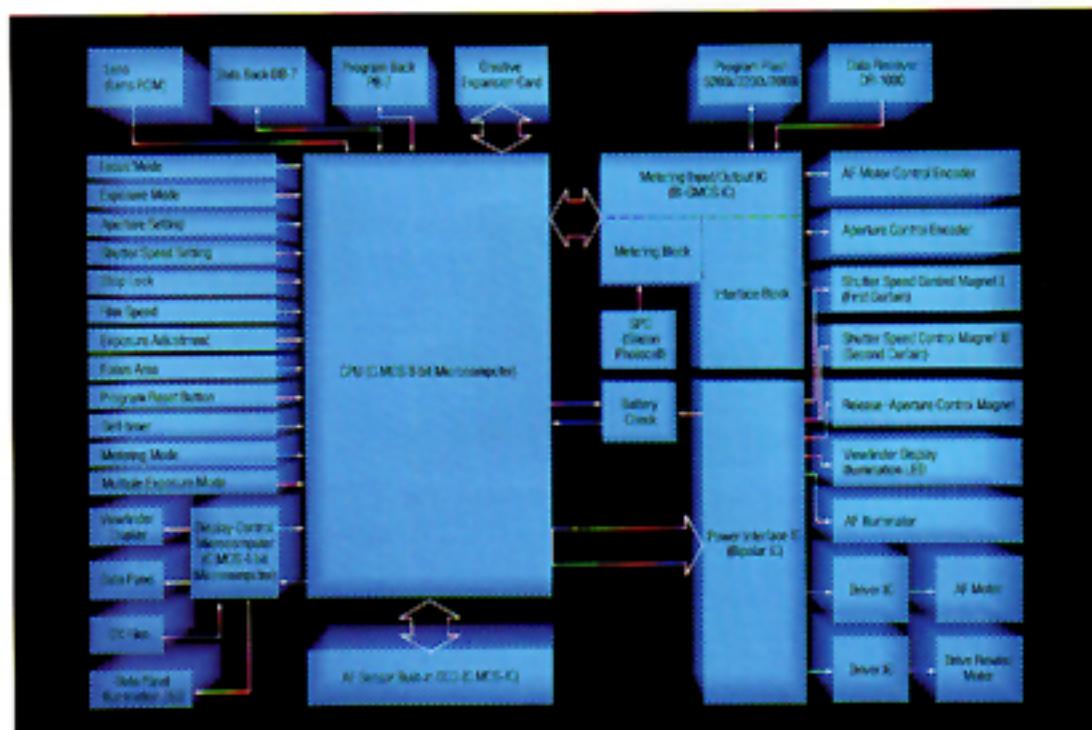
## INTELLIGENT AUTOFOCUS SYSTEM

### Multi-Sensor Autofocus

The Dynax 8000i features center area focusing that provides horizontal focus readings, while side sensors read vertically, combining for superior performance with moving and low-contrast subjects. Their combined focus area is 12 times larger than in conventional SLR autofocus systems. This design allows for more variation in contrast or tone for focusing decisions. Side sensors are able to detect differences where the center sensor may not. Exact aiming of the camera is therefore not necessary to achieve precise autofocusing. This greatly improves fast-action focusing.



*Autofocus sensor module*



*Exploded view of autofocus sensor module*
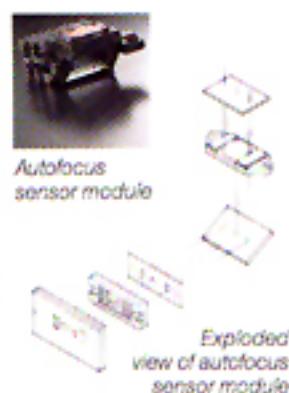
### Predictive Focus Control

To achieve optimum sharpness with moving subjects, focus must be adjusted right up to the instant of exposure. Based on measurements of changes in subject position, Predictive Focus Control enables the Dynax 8000i to track and maintain focus on a moving subject, continuing to adjust focus even while the mirror moves up between shots.
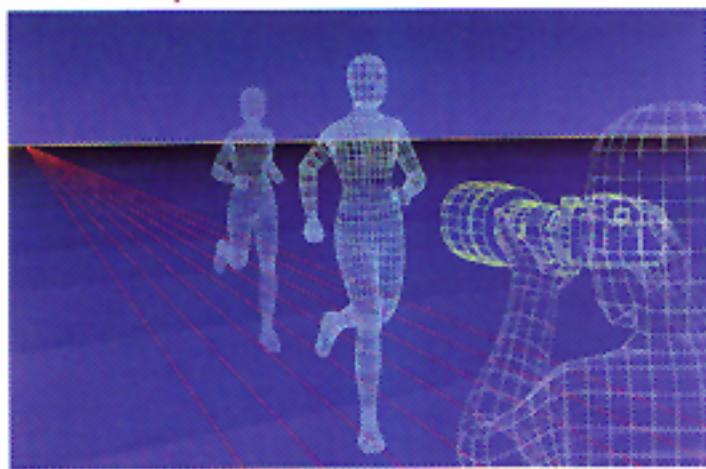


*Critical sharpness even with fast moving subjects. That's what the 8000i's predictive AF control is all about. When the 8000i detects a moving subject, it automatically switches to continuous focus mode and predictive AF control. This remarkable system tracks the subject and adjusts focus even while the mirror is moving and the aperture is closing to the instant of exposure. You'll get precisely focused sequence shots that were thought impossible before the Dynax cameras.*

### High-Speed Autofocus

The astonishing speed and accuracy of the Dynax 8000i's Intelligent Autofocus System is possible thanks to three high sensitivity CCD sensors, high-speed computer data processing and a high-speed, body-integral lens drive motor. This system uses real-time control to snap the subject into precise focus with lightning speed and extremely quiet operation.



*Lens drive motor*

## INTELLIGENT EXPOSURE SYSTEM

### Autofocus-Integrated Multi-Pattern Metering

The Dynax 8000i's Intelligent Exposure System is directly linked to the camera's autofocus system. Its metering system has six individual segments that are fully autofocus-integrated. This superior design provides you with very fast response, in addition to high sensitivity in backlit and spotlit situations.
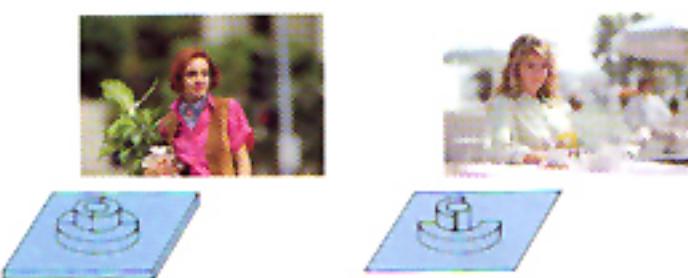




### Flash Command System

The Dynax 8000i's flash command system continuously maintains the flash at a charged level. Since this system is body-integral, activation is fully automatic whenever flash is required. Advanced automatic daytime fill-flash creates a natural balance between background and foreground picture areas. TTL (through-the-lens) direct autoflash metering provides precise lighting analysis for accurate reproduction of images with the Dynax 8000i.



*TTL direct autoflash metering*

### Advanced 1/8000 Sec. Shutter Design

The Dynax 8000i features a high-speed electronic shutter with speeds ranging from 30 seconds to 1/8000th of a second. Maximum flash sync is at 1/200th of a second. Many advanced technologies are combined to produce an astonishingly fast shutter-traverse time with stability at all speeds.

# SPECIFICATIONS

**Type:** 35mm SLR with intelligent control of autofocus (AF), autoexposure (AE) and auto film transport systems

**Lens Mount:** Minolta A-type bayonet; accepts all Minolta AF lenses

**Autofocus System:** Minolta's through-the-lens (TTL) phase-detection type with wide charge-coupled device (CCD) sensor; sensitivity range: EV 0 to 18 at ISO 100 in ambient light; Predictive focus control; built-in AF illuminator automatically activated in low light, low contrast conditions; range: 1 to 9 meters, based on Minolta's standard test method using a 50mm f/1.4 lens

**Manual Focusing:** Visually on Acute-Matte viewfinder screen and/or by monitoring viewfinder focus indicators

**Metering:** TTL type, with three selectable modes; multi-pattern, in which the metering pattern of a six-segment cell is modified based on input from the autofocus system; centre-weighted average; and spot; six-segment silicon photocell (SPC) on pentaprism for ambient light; second SPC at bottom of mirror box for TTL flash metering

**Autoexposure (AE) Range:** EV 0 to 20 with ISO 100 film and 50/1.4 lens

**Exposure Modes:**
Program AE: Automatic multi-program selection sets autoexposure program, based on lens focal length in use; shutter speed and aperture determined by autoexposure (AE) program

Shutter-priority AE: Any speed from 1/8000 to 30 secs., selectable in full stops; aperture set automatically by autoexposure program

Aperture-priority AE: Any available aperture selectable in half-stops; shutter speed set steplessly from 1/8000 to 30 sec. automatically by autoexposure program

Manual: Any speed and aperture combination usable; correct and under-over- exposure indicated in viewfinder; bulb setting for long exposures

**TTL Flash Metering:** Operates in all exposure modes with dedicated units; shutter X-sync speed set automatically when flash-on signal appears in viewfinder; in P or A modes, pressing spot-metering button sets slower shutter speed (down to 30 sec) for increased background exposure

Program AE: Automatic setting of aperture and shutter speed between 1/200 and 1/60 sec. according to lens focal length; flash fires automatically whenever required

Shutter-priority AE: Same as Program AE mode

Aperture-priority AE: Shutter speed automatically set to 1/200 sec., any available aperture usable

Manual: Any shutter speed 1/200 or slower, and any available aperture usable; speed automatically reset to 1/200 sec. when flash-on signal appears if manually set speed is higher

**Exposure Controls:** Exposure adjustment range: +/- 4 stops, set in half-stop increments; program shift in half stops for temporary selection of other programmed aperture-shutter speed settings; multiple exposure function

**Shutter:** Electronically controlled vertical-traverse focal-plane type; automatic speeds in program and aperture-priority AE modes, stepless 1/8000 to 30 sec. with nearest half-stop setting displayed; in shutter-priority AE and manual modes, 1/8000 to 30 sec in full-stop settings; bulb in manual mode for long exposures

**Shutter-release Button:** Pressing button partway down activates autofocus and metering systems; pressing button all the way down releases shutter; in AF mode, shutter can be released only when subject is in focus (focus-priority operation)

**Controls:** Buttons for manual start of film rewind, self-timer, focus hold, spot metering; focus-mode switch; setting control for program shift, aperture (A mode), shutter speed (shutter-priority AE mode) and manual mode; setting control in combination with a second control for manual film-speed settings, metering pattern, drive mode, focus area, exposure mode, exposure adjustment, aperture (manual exposure mode), and multiple exposure; pressing program reset button sets camera to program mode, single-frame advance, autofocusing with wide focus area, and cancels any exposure adjustment and self-timer or multiple-exposure settings

**Film-speed setting:** Automatic setting for DX-coded ISO 25 to 6400 film; for films without DX coding, previous film-speed setting is retained; manual setting in 1/3 stop increments

**Film Transport:** Automatic with built-in motor drive; auto threading, auto advance to first frame; single frame advance or continuous advance at up to 3 frames per second; automatic rewind and manual start of automatic rewind; advancing frame counter in data panel; shutter lock and data panel display when film is loaded incorrectly

**Viewfinder:** Eye-level fixed pentaprism shows 92% of vertical by 94% of horizontal field of view; magnification 0.75× with 50mm lens at infinity; standard acute-matte screen (Type G) shows wide/center focus area and spot metering area on matte field

**Data Displays:** Data Panel: Liquid-crystal display (LCD) includes indicators for film speed, shutter speed, card name (when card is activated), exposure adjustment, aperture, exposure mode, manual focus, battery condition, self-timer, frame number, film transport, metering pattern, drive mode, focus area, multiple exposure and active card; automatically illuminated in low light

**Viewfinder:** LED focus and flash-on indicators, and flash-ready signal; illuminated LCD readout for focus area, shutter speed, film speed (when set), card name (when activated), exposure adjustment, over/under-exposure (manual exposure mode), aperture and meter pattern

**Power:** 6-volt 2CR5 lithium battery powers camera; automatic battery check when camera is turned on; battery condition indicated by four-stage indicator in data panel; shutter locks when battery is exhausted; main switch with LOCK and ON positions

**Self-timer:** Electronic with 10-second delay; cancellable; operation indicated by blinking LED

**Others:** Cushioned eyepiece frame, eyepiece cap, sync terminal, film window, remote-control socket, carrying strap

**Size and weight:** 153 × 93 × 69mm; 600g without lens and battery

**Optional Accessories:** Accepts all Minolta AF lenses, Program flashes 2000i, 3200i and 5200i, Creative Expansion cards, Data Back DB-7, Program PB-7, dioptric eyepiece correction lenses, Remote Cord RC-1000 L and Remote Cord RC-1000 S, Eyepiece Correctors, and flash accessories including off-camera cables and connectors, user-changeable Acute-matte Focusing Screens 7.

## PROGRAM FLASH 5200i

**Exposure control:** Direct Autoflash metering in all flash modes

**Controls:** ON/OFF button, MENU button, TEST button, LEVEL/RATIO button, ZOOM/REAR button, TTL, M/FREQ button, feet/meter switch

**Indications:** LCD data panel shows automatic or manual zoom, Focal-length coverage, power level setting, ratio control (with a second i-series flash connected to the 5200i), TTL or manual metering, flash range ft. or meters, AUTO ON, ON or OFF, and sufficient flash exposure, in multi-burst flash mode, indications for firing frequency, number of flashes, power level and flash-subject distance; LED flash-ready signal glows when flash is fully charged

**Flash coverage:** Power zoom head automatically adjusted for correct flash coverage with 24mm through 85mm focal length lenses; manual flash adjustment of zoom position also possible

**Power source:** Four AA-size 1.5V alkaline or 1.2V Ni-Cd batteries; external battery pack also available

**Guide number at ISO 100 (in meters):**

| Focal length / Power level | 24mm | 28mm | 35mm | 50mm | 70mm | 85mm |
|---|---|---|---|---|---|---|
| 1/1 | 28 | 32 | 36 | 42 | 46 | 52 |
| 1/32 | 4.9 | 5.7 | 6.4 | 7.4 | 8.1 | 9.2 |

**Optional accessories:** Cable CD, Cable EX, Off-Camera Cable OC-1100, Off-Camera Shoe OS-1100, Triple Connector TC-1000, Ni-Cd Charger NC-2 with batteries, External Battery Pack EP-1 set, Bounce Reflector III Set

**Dimensions:** 80.5 × 132.5 × 105mm

**Weight:** 400g

Specifications subject to change without notice

## MINOLTA AF LENSES BASIC SPECIFICATIONS

| Lens | Elements/ Groups | Angle of View | Minimum Focus | Minimum Aperture | Filter (dia.) | Dimensions (dia. × length) | Weight |
|---|---|---|---|---|---|---|---|
| AF 16/2.8 Fisheye | 11/8 | 180° | 0.2m | f/22 | integral | 75 × 66.5mm | 400g |
| AF 20/2.8 | 10/9 | 94° | 0.25m | f/22 | 72mm | 77.5 × 59.5mm | 285g |
| AF 24/2.8 | 8/8 | 84° | 0.25m | f/22 | 55mm | 65.5 × 44mm | 215g |
| AF 28/2 | 9/9 | 75° | 0.3m | f/22 | 55mm | 66.5 × 49.5mm | 285g |
| AF 28/2.8 | 5/5 | 75° | 0.3m | f/22 | 49mm | 65.5 × 42.5mm | 185g |
| AF 35/1.4 | 10/8 | 63° | 0.3m | f/22 | 55mm | 65.5 × 76mm | 470g |
| AF 35/2 | 7/6 | 63° | 0.3m | f/22 | 55mm | 66.5 × 46.5mm | 240g |
| AF 50/1.4 | 7/6 | 47° | 0.45m | f/22 | 49mm | 65.5 × 38.5mm | 235g |
| AF 50/1.7 | 6/5 | 47° | 0.45m | f/22 | 49mm | 65.5 × 39mm | 170g |
| AF 85/1.4 | 7/6 | 28°30' | 0.85m | f/22 | 72mm | 78 × 71.5mm | 550g |
| AF 100/2 | 7/6 | 24° | 1.0m | f/32 | 55mm | 67 × 76.5mm | 480g |
| AF 135/2.8 | 7/5 | 18° | 1.0m | f/32 | 55mm | 65.5 × 80mm | 345g |
| AF 200/2.8 Apo | 8/7 | 12°30' | 1.5m | f/32 | 72mm | 86 × 134mm | 790g |
| AF 300/2.8 Apo | 11/9 | 8°10' | 2.5m | f/32 | integral | 128 × 238.5mm | 2480g |
| AF 600/4 Apo | 10/9 | 4°10' | 6m | f/32 | integral | 169 × 449mm | 5500g |
| AF Reflex 500/8* | 7/5 | 5° | 4.0m | — | integral | 89 × 118mm | 665g |
| AF 24-50/4 | 7/7 | 84°-47° | 0.35m | f/22 | 55mm | 69 × 69mm | 285g |
| AF 28-85/3.5-4.5 | 13/10 | 75°-29° | 0.8m | f/22-27 | 55mm | 68.5 × 65.5mm | 490g |
| AF 28-135/4-4.5 | 16/13 | 75°-18° | 1.5m | f/22-27 | 72mm | 75 × 109mm | 750g |
| AF 35-80/4-5.6 | 8/8 | 63°-30° | 0.5m | f/22-32 | 46mm | 65 × 58mm | 195g |
| AF 35-105/3.5-4.5 | 13/10 | 63°-23° | 0.85m | f/22-27 | 55mm | 68.5 × 59.5mm | 290g |
| AF 70-210/3.5-4.5 | 12/12 | 34°-12° | 1.1m | f/22-27 | 55mm | 72.5 × 100mm | 420g |
| AF 75-300/4.5-5.6 | 13/11 | 32°-8°10' | 1.5m | f/32-38 | 55mm | 72.5 × 135.5mm | 865g |
| AF 80-200/2.8 Apo | 16/13 | 30°-12°30' | 1.8m | f/32 | 72mm | 87.5 × 186.5mm | 1350g |
| AF 80-200/4.5-5.6 | 9/9 | 30°-12°30' | 1.5m | f/22-27 | 46mm | 67 × 78mm | 290g |
| AF 100-300/4.5-5.6 | 11/9 | 24°-8°10' | 1.5m | f/32-38 | 55mm | 72.5 × 120mm | 470g |
| AF 50/2.8 Macro | 7/6 | 47° | 0.2m | f/32 | 55mm | 68.5 × 59.5mm | 315g |
| AF 100/2.8 Macro | 8/8 | 24° | 0.35m | f/32 | 55mm | 71 × 96.5mm | 520g |
| AF Macro Zoom 1X-3X/1.7-2.8 | 7/5 | 8 × 12mm (3X)** 24 × 36mm (1X)** | Working Distance 26mm (3X), 40mm (1X) | 116 (3X) 107 (1X) | 46mm | 86 × 117 × 94.5mm*** | 1100g |
| AF 1.4X Tele**** Converter II Apo | 5/4 | | | | | 64 × 20mm | 175g |
| AF 2X Tele***** Converter II Apo | 6/5 | | | | | 64.5 × 43.5mm | 210g |

\* Used with Dynax 8000i, 7000i or 5000i; can be operated in either autofocus or manual-focus mode; with other Minolta AF S. Ri cameras (Dynax 3000i, 5000, 7000, 9000) manual focus only; by reference to the viewfinder screen, is possible

\*\* Size of subject that fills the film plane

\*\*\* W × H × D

\*\*\*\* For use with AF 200/2.8 Apo, AF 300/2.8 Apo, and AF 600/4 Apo lenses only; cannot be used with AF 80-200/2.8 Apo Zoom lens

\*\*\*\*\* For use with AF 200/2.8 Apo, AF 300/2.8 Apo lenses only; cannot be used with AF 600/4 Apo, and AF 80-200/2.8 Apo Zoom lenses.

Specifications subject to change without notice.