WILSONWERKS ARCHIVES

MINOLTA

NEW
MAXXUM®
7000i

POCKET GUIDE

MINOLTA

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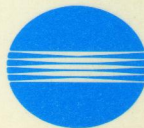
ONLY FROM THE MIND OF MINOLTA

NEW
MAXXUM® 7000i

The world's most intelligent, most creative autofocus SLR.

INTELLIGENT AUTOFOCUS SYSTEM
- Multi-sensor autofocus
- Automatic focus-mode selection
- Predictive focus control
- 3 frames-per-second sequence shooting

INTELLIGENT EXPOSURE SYSTEM
- AF-integrated multi-pattern metering system
- Automatic contrast compensation
- Advanced automatic multi-program selection
- AF/AE Lock

INTELLIGENT AUTOFOCUS FLASH SYSTEM
- Flash command system
- Advanced automatic fill-flash
- Zoom flash
- Sequence flash
- Slow-shutter sync

CREATIVE EXPANSION CARD SYSTEM
- Feature cards
- Special application cards
- Customized function card

1

SIMPLE OPERATION

The MAXXUM 7000i's intelligence makes it beautifully simple to use.

1. Switch on

Set main switch to ON position, or to ∙)) position if audible beeps are wanted.

2. Focus

Center focus frame on subject and press shutter-release button halfway down. The green focus signal appears when subject is in focus.

3. Shoot

Press the shutter-release button all the way down to take the picture. Sharp pictures are assured, since the MAXXUM 7000i releases the shutter only when the subject is in focus.
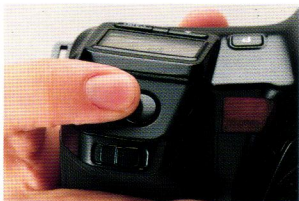
HIGH-SPEED MOTORIZED FILM CONTROL

High-speed motorized film control completely eliminates errors in film handling and operation.

Auto film-speed setting

With DX-coded film, the camera automatically sets the film speed. The film speed can also be set manually.
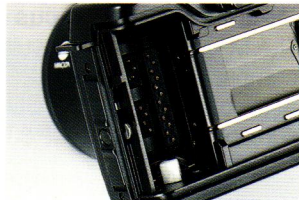
Auto loading

Simply place a film cartridge in the film chamber and extend the film end to the red mark, then close the back cover. The film automatically advances to the first frame.

Auto rewind

At the end of the roll, the film is automatically rewound in just a few seconds.

Sequence shooting

Single drive mode or 3 frames-per-second continuous drive mode can be selected.

INTELLIGENT AUTOFOCUS SYSTEM

Multi-sensor autofocus

The MAXXUM 7000i's multiple autofocus sensors comprise a focus area 12 times larger than in conventional autofocus SLRs, designed to capture the subject in precise focus effortlessly.

Automatic focus-mode selection

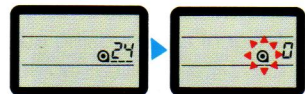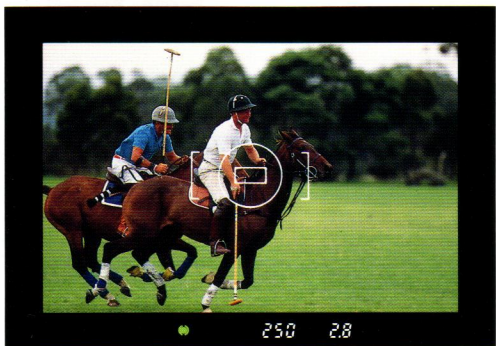Intelligent autofocusing automatically selects the best focus mode for any subject. One-shot mode for still subjects. Continuous-adjustment mode for moving subjects.

Still subjects

Moving subjects

Predictive focus control

In continuous-adjustment mode, the MAXXUM 7000i's AF system calculates and adjusts focus up to the instant of exposure, so that even fast-moving subjects are in precise focus.
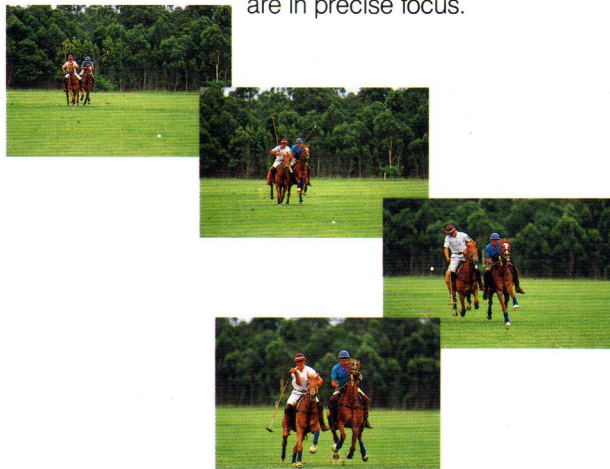
3 frames-per-second sequence shooting

The MAXXUM 7000i's intelligent autofocus system ensures perfectly focused sequence shots at up to 3 frames-per-second.

Low-light autofocusing

The MAXXUM 7000i makes it easy to take great pictures in extremely dark conditions. Its high-sensitivity CCD sensors respond at light levels down to EV0. There is also a high-power built-in AF illuminator for low-light and low-contrast subjects.

Manual focusing

Manual focusing can also be selected.

INTELLIGENT EXPOSURE SYSTEM

AF integrated multi-pattern metering system

The MAXXUM 7000i uses the world's first autofocus-integrated multi-pattern metering system which uses main subject data from the autofocus computer to decide the best exposure for the subject.

Automatic contrast compensation

The MAXXUM 7000i's intelligent exposure system automatically provides the right contrast compensation for both backlit and spotlighted subjects.
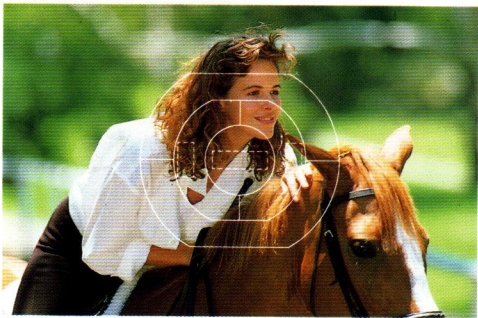
Backlit subject
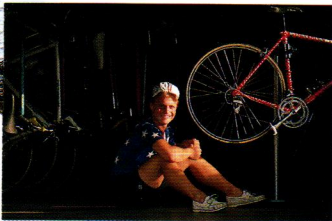
Spotlit subject

Advanced automatic multi-program selection

This system automatically selects the correct program to match the focal length of the MAXXUM AF lens in use, even with zooms.

24mm

70mm

200mm

300mm
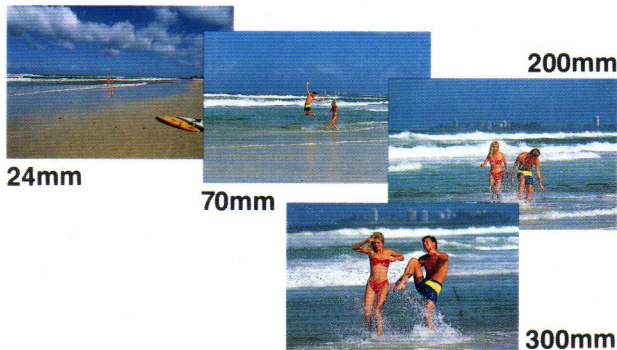
Program shift

Program shift lets you select alternate programmed aperture and shutter-speed combinations with one touch, while maintaining correct exposure.

Spot metering

Spot metering is especially useful for precise metering of a single area of the scene.

AF/AE lock

This feature automatically locks the focus and exposure so that the picture can be recomposed.

1/4000 sec. high-speed shutter

The MAXXUM 7000i has a shutter-speed range from 1/4000 to 30 sec. and a top X-sync speed of 1/125 sec.

Creative exposure control

Shutter-/aperture-priority or metered-manual mode can be selected for creative photography.

INTELLIGENT FLASH SYSTEM

Flash command system

In program mode, the MAXXUM 7000i's flash command system automatically activates the flash in low light or backlit situations. Precisely focused, perfectly exposed flash pictures can be taken anytime.

MAXXUM Flash 3200i

LED signals indicate the flash status.

Advanced automatic fill-flash

MAXXUM Flash 3200i uses a special fill-flash program to lighten shadows and control background exposure in brighter conditions without washing out highlight details.

Without advanced automatic fill-flash

With the MAXXUM 7000i's advanced automatic fill-flash

Zoom flash

MAXXUM Flash 3200i automatically adjusts flash coverage between 28 mm and 85 mm, according to the focal length of the lens in use.

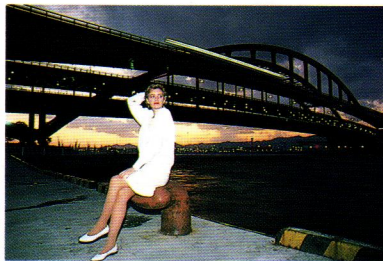**28mm**   **50mm**   **85mm**

Sequence flash

With the MAXXUM 7000i in continuous drive mode, flash sequences at up to 3 frames-per-second can be taken.

Slow-shutter sync

Slow-shutter sync increases the background exposure to create a more natural lighting balance between the subject and background.


A/M mode flash

Either A or M mode can be selected for the ultimate in flash creativity.

■ERGONOMIC DESIGN

The MAXXUM 7000i is handsomely designed for superior handling and easy operation, requiring less motion to do more with the camera.
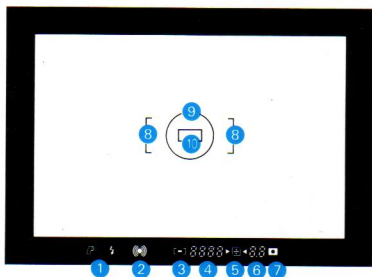
Program-reset button

Pressing the program-reset button sets the camera to program mode, autofocus mode, wide focus area, single-frame advance and cancels any exposure adjustment.
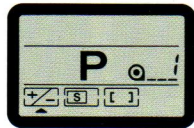
Full information viewfinder

The MAXXUM 7000i's viewfinder displays all important exposure data to assure the best exposure results.

1. Flash signals
2. Focus signals
3. Center focus area
4. Shutter speed
5. Metering indicators
6. Aperture/Exposure adjustment
7. Spot metering
8. Wide focus area
9. Spot-metering area
10. Center focus area

Angled data panel

The MAXXUM 7000i's data panel is positioned to make it easy to read at the natural angle the camera is held.

Indications
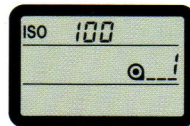
• Film speed is displayed after loading.
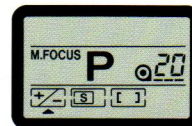
• Manual focus mode
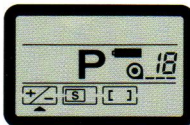
• Battery condition is checked automatically.
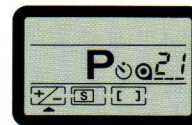
• Self-timer
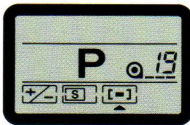
• Center focus area
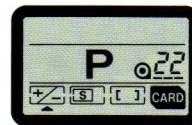
• Creative expansion card in use

Card door

Card door holds a creative expansion card and also has buttons to select the self-timer, display film-speed, start film rewind and adjust Creative Expansion Cards.

Accessory shoe

The new accessory shoe enables one-handed mounting and release.

Eyepiece cup

A cushioned eyepiece cup is supplied for more comfortable viewing.

1. **Focus-mode switch**
2. **Lens release**
3. **Aperture setting button**
4. **Function-adjustment button**
   Press to set exposure-adjustment value, drive mode, and focus area.
5. **Exposure-mode button**
6. **Main switch**
7. **AF illuminator/Self-timer light**
8. **Accessory shoe**
9. **Program-reset button**
10. **Data panel**
11. **Function-selector key**
12. **Card on/off key**
13. **Mirror**
14. **Up/down control**
15. **Remote-control terminal**
16. **Shutter-release button**
17. **Card window**
18. **Strap eyelet**
19. **Film-window**
20. **Tripod socket**
21. **Battery cover**
    Camera uses a 6-volt (2CR5) lithium battery.
22. **Battery-cover lock**
23. **Eyepiece cup**
24. **Spot-metering button**
25. **Card door**
26. **Self-timer button**
27. **Film-speed button**
28. **Rewind button**
29. **Card-adjust button**
30. **Card-eject slide**

CREATIVE EXPANSION CARD SYSTEM

The creative expansion card system provides unlimited expansion of the MAXXUM 7000i's creative capabilities. The MAXXUM 7000i's creative expansion cards are categorized by function: feature cards, special application cards, and a customized function card.

1. INSERT

Simply open the card door and insert the desired card into the slot along its top edge. When inserted correctly, the card's name can be seen in the card window.

2. AUTO ON

When the card is inserted, it is automatically switched on and its name appears for 5 seconds and "CARD" appears on the data panel.
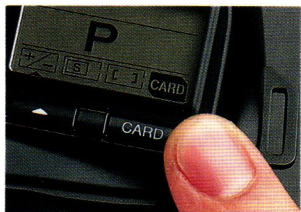
Feature cards

The MAXXUM 7000i's feature cards add sophisticated features to the camera's capabilities.
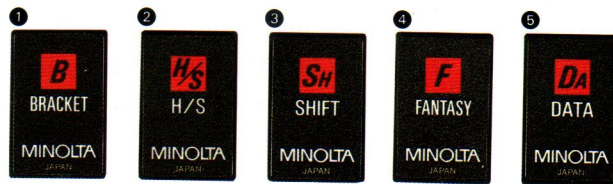
❶ *Exposure bracketing card*
❷ *Highlight/shadow control card*
❸ *Automatic program shift card*
❹ *Fantasy effect card*
❺ *Data memory card*

Special application cards

The MAXXUM 7000i's special application cards are used to master sophisticated techniques for specific applications.

❻ *Portrait card*
❼ *Sports action card*
❽ *Closeup card*
❾ *Automatic depth control card*

Customized function card

The MAXXUM 7000i's customized function card enables fine-tuning of seven camera functions.

- Selectable exposure modes
- Shutter speed (1-stop or 1/2-stop)
- Slow shutter-speed signal (on or off)
- Frame number (increasing or decreasing)
- Film rewind (automatic or manual start)
- Film leader (rewound into cartridge or left out)
- Focus-hold button (new AF 70-210mm, AF 100-300mm zooms): focus hold, center focus area, or continuous focus)

AUTOFOCUS LENS SYSTEM

There are currently 31 MAXXUM AF lenses from 16 mm to 600 mm, including telephoto, wideangle, macro, zoom and converter optics. Best of all, every autofocus lens is specially designed to work with your MAXXUM 7000i.

AF 35-80 mm f/4-5.6
Lightest in this class
Built-in lens cover

AF 35-105 mm f/3.5-4.5
Compound aspherical element
Ultra-compact design

AF 80-200 mm f/4.5-5.6
Most compact, lightest in this class
Built-in lens cover

AF 70-210 mm f/3.5-4.5
Lightest in this class
Focus-hold button

AF 100-300 mm f/4.5-5.6
Most compact, lightest in this class
Focus-hold button

STANDARD LENSES
MAXXUM AF standard lenses are all-purpose lenses perfect for most general photographic situations.

WIDEANGLE LENSES
MAXXUM AF wideangle lenses provide a wide angle of view to "see" more of a scene than a standard lens.

TELEPHOTO LENSES
MAXXUM AF telephoto lenses let you get optically closer to and isolate the subject from its surroundings.

SPECIAL LENSES
MAXXUM AF macro lenses enable taking life-size, precisely focused pictures of miniature subjects. The MAXXUM AF fisheye lens is useful for specialized and unusual effects.

ZOOM LENSES
MAXXUM AF zoom lenses cover the range of several fixed-focal length-lenses.

QUESTIONS AND ANSWERS

Q: Several other cameras use multi-segment metering systems. How does the MAXXUM 7000i's AF-integrated multi-pattern metering differ from these systems?

A: The MAXXUM 7000i's AF-integrated multi-pattern metering uses "real-time" data from the lens and AF sensors to respond continuously to changes in the subject's distance and position in the viewfinder, and the scene contrast. Using this data, the range of metering patterns produced by the MAXXUM 7000i is virtually unlimited. Other cameras cannot detect the position of the subject in the frame or its distance. Exposure is based solely on contrast information, and those cameras have only a limited number of metering patterns stores in their memory circuits.

Q: Why was the shape of the accessory shoe changed?

A: Since the first accessory shoes for cameras were designed, a number of improvements have been made, including the addition of electrical contacts for automatic X-sync, TTL flash metering, and most recently, for AF illuminator activation and flash-coverage adjustment. In keeping with the MAXXUM 7000i's ergonomic design, a molded shoe was designed using high-strength engineering resin. Its dual-channel design and automatic locking function permit one-handed attachment and removal of flash units. The shoe's advanced design also ensures better connection between the flash and camera contacts and more accurate alignment of the flash's AF illuminator.

Q: The MAXXUM 7000i's program-reset button is much larger than the MAXXUM 7000's button. Has its function been changed?

A: Yes. Three new functions have been added to the MAXXUM 7000i's program-reset button. When the button is pressed, the MAXXUM 7000i is instantly set to autofocus mode, wide focus area is selected, and if the MAXXUM Flash 3200i is attached, the "flash command" mode is set. Like the MAXXUM 7000, the MAXXUM 7000i is also set to program mode, single-frame advance, and any exposure adjustment is cancelled.

Q: Do the focus-hold buttons on new AF 70–210mm and AF 100–300mm lenses operate with MAXXUM 5000, 7000, or 9000 cameras?

A: Yes, These lenses are fully compatible with other Minolta AF SLR cameras. Operation of the focus-hold buttons is the same as with the MAXXUM 7000i. When the button is kept pressed, focusing stops at this point and the shutter can be released at any time.

Q: Can current MAXXUM Flash units (1800AF, 2800AF, and 4000AF) or the Macro Flash 1200AF be used with the MAXXUM 7000i?

A: Yes. The Flash Shoe Adapter FS-1100 permits attachment of these units to the MAXXUM 7000i. TTL flash metering and the flash signals in the viewfinder operate in the usual way. The flash units' AF illuminators do not operate, but the MAXXUM 7000i's built-in AF illuminator enables autofocusing of subjects up to 9 meters away. The "flash command" system in program mode does not operate with these flash units.

Q: How many rolls of film can be exposed by the MAXXUM 7000i with 2CR5 lithium battery?

A: Based on Minolta's tests, approximately 65 rolls of 24-exposure film can be exposed, or 50 rolls of 36-exposure film. Actual battery performance will, of course, vary according to the amount of practice focusing that is done, operating temperature, and the frequency of use.
If battery performance were based solely on the number of rolls that could be continuously wound and rewound, we could claim that 200 rolls could be exposed with one battery. But this would be misleading, since it does not take into account the power used for autofocusing and metering operations or other factors.

Q: How does the battery-check system work?

A: The battery condition is checked automatically each time the camera's main switch is moved from LOCK to ON or (•)))) position. The full-power signal (▭) appears on the data panel for five seconds when power is sufficient. The low-power signal (▭) appears when power is getting low and blinks when the battery is nearly exhausted. If only the blinking low-power signal appears or if no indications appear, the battery should be replaced.

Q: What happens if the battery is removed while film is loaded in the camera?

A: The MAXXUM 7000i has an electronic memory circuit that stores the film-speed setting and frame number. When a new battery is installed, the camera is set to autofocus mode, wide focus area, program mode, single-frame advance, and any exposure adjustment will be cancelled.

Q: When should the center focus area be used?

A: The MAXXUM 7000i's wide focus area provides excellent results in nearly all situations. The center focus area permits more selective focus control, such as focusing on one person standing in a crowd or for closeup photography.

ACCESSORY CHART

Flash Accessories
1. Triple Connector TC-1000
2. Cable CD
3. Cable EX
4. Off-Camera Shoe OS-1100
5. Off-Camera Cable OC-1100
6. Flash Shoe Adapter FS-1100
7. Ni-Cd Charger NC-2

Camera Accessories
8. Eyepiece Cup EC-3
9. Eyepiece Cup EC-7
10. Eyepiece Cap
11. Accessory Shoe Cap SC-3
12. Accessory Shoe Cap SC-7
13. Magnifier V_N
14. Anglefinder V_N
15. Eyepiece Corrector 1000
16. Wireless Controller IR-1N Set*
17. Remote Cord RC-1000L
18. Remote Cord RC-1000S
19. Focusing Screen 7
20. Creative Expansion Cards
21. Data Back DB-7
22. Program Back PB-7
23. Data Back DB-3
24. AF 16mm f/2.8 Fisheye
25. AF 20mm f/2.8
26. AF 24mm f/2.8
27. AF 28mm f/2
28. AF 28mm f/2.8
29. AF 35mm f/1.4
30. AF 35mm f/2
31. AF 50mm f/1.4
32. AF 50mm f/1.7
33. AF 85mm f/1.4
34. AF 100mm f/2
35. AF 135mm f/2.8
36. AF 200mm f/2.8 Apo
37. AF 300mm f/2.8 Apo
38. AF 600mm f/4 Apo
39. AF 24—50mm f/4
40. AF 28—85mm f/3.5—4.5
41. AF 28—135mm f/4—4.5
42. AF 35—70mm f/4
43. AF 35—80mm f/4—5.6
44. AF 35—105mm f/3.5—4.5
45. AF 70—210mm f/3.5—4.5
46. AF 75—300mm f/4.5—5.6
47. AF 80—200mm f/2.8 Apo
48. AF 80—200mm f/4.5—5.6
49. AF 100—200mm f/4.5
50. AF 100—300mm f/4.5—5.6
51. AF 50mm f/2.8 Macro
52. AF 100mm f/2.8 Macro
53. AF 1.4X Tele Converter Apo
54. AF 2X Tele Converter Apo
55. Filters
56. Portrayer Filters
57. Close-up Lenses
58. Gelatin Filter Holder
59. Body Cap
60. Front Lens Cap
61. Rear Lens Cap
62. Camera Case
63. Lens Case
64. Mini Tripod TR-1
65. Panorama Head II
66. Copy Stand II

*Usable only with Maxxum 7000i

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 II
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
15. Sync Cord II

**Usable only with Maxxum 7000i with Flash Shoe Adapter FS-1100

MAXXUM FLASH 1200AF SET

MAXXUM FLASH 3200i

MAXXUM FLASH D-316i

MAXXUM 7000i

MAXXUM 3000i