



ProShot
MN40Z



User Manual

BEFORE YOU START

Declaration of Conformity

Responsible Party: Elite Brands Inc.

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For Customers in the U.S.A.

Federal Communication Commission Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Radiation Exposure Statement:

This product complies with the FCC portable RF exposure limit set forth for an uncontrolled environment and is safe for intended operation as described in this manual. Additional RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

About this Manual

Thank you for purchasing this MINOLTA MN40Z Digital Camera. Please read this manual carefully and keep it in a safe place for future reference.

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- All trademarks mentioned in this manual are used for identification purposes only and are properties of their respective owners and holders.
- This manual provides you with instructions on how to use your new MINOLTA MN40Z Digital Camera. Every effort has been made to ensure that the contents of this manual are accurate; however Elite Brands Inc. reserves the right to make changes without notice.
- Throughout this manual, the following symbols are used to help you locate information quickly and easily:



Indicates useful information.

- The following symbols may be used throughout this manual to facilitate your understanding of how to operate the camera:
[Item properties]:The optional properties in the camera interface are indicated by the [] symbol.

SAFETY NOTES

Safety Notes for this Camera

- Do not drop the camera or allow it to hit solid objects.
- Do not attempt to disassemble or repair the camera.
- Do not use or store the camera in dusty places or on a beach to help prevent dust or sand from entering the camera, causing possible damage.
- Do not use or store the camera in a hot environment or in direct sunlight.
- Do not use or store the camera near powerful magnetic fields, such as a magnet or transformer.
- Avoid touching the lens of the camera.
- Do not expose the camera to direct sunlight for a long period of time.
- To prevent the camera from being damaged by moisture, do not use or store the camera in very humid environments, such as in rain or near bodies of water.
- If water accidentally comes in contact with the camera, turn the camera off immediately, remove the battery and the memory card and dry it completely within 24 hours.
- When you take the camera from a cold environment to a warmer environment, condensation may occur. Please wait for a reasonable period of time before you turn the camera on.
- Before you remove the battery and memory card, the camera should be turned off.
- When you clean the body of the camera, do not use abrasive, alcohol-based or organic cleansers or solvents.
- Use a professional lens cleaning cloth and appropriate cleaner to wipe and clean the lens.

- Download your photos and remove the memory card when you are going to store the camera for long periods of time.
- If this camera is not in use for a long period of time, please keep it in a dry and clean storage location.
- Our company will not pay compensation for any failure of playback including: pictures or videos damaged or unrecoverable by improper operation.

Safety Notes for Battery

- If battery fluid leaks inside the camera, contact our customer service department immediately. If battery fluid leaks onto your skin, rinse your skin immediately with clean water and seek immediate medical attention.
- Disposal of used batteries should be carried out in accordance with your local (national or regional) regulations.
- To prevent the battery from being damaged, do not drop the battery or allow it to hit solid objects or to be scratched by foreign objects.
- Do not let the battery come in contact with metal objects (including coins) to avoid short circuiting, discharging, excessive heat or possible leakage.
- Do not attempt to disassemble the battery.
- Do not expose the battery to water. Always keep the battery contacts dry.
- Do not heat the battery or throw it into a fire to avoid a possible explosion.
- Do not store the battery in a hot environment or in direct sunlight.
- When the camera is stored for a long period of time, remove the battery and keep it in a safe, dry place that is not accessible to infants and children.
- In colder environments, the performance of the battery could be noticeably reduced.

- When you install the battery, align the battery markings according to the positive and negative markings inside the camera battery compartment. Never force the battery into the battery compartment.

Safety Notes for SD Memory Card

- We highly suggest buying only well-known, name brand memory cards to ensure peak performance and reliability.
- Format the memory card using the camera before you use it or insert a new one.
- Do not drop the memory card or allow it to hit solid objects to avoid damaging it.
- Do not attempt to disassemble or repair the memory card.
- Do not expose the memory card to water. Always keep it dry.
- Do not remove the memory card when the camera is turned on. Otherwise, the memory card and photo/video files could be permanently damaged.
- Do not directly edit the data on the memory card. Copy the data to your computer before you edit files.
- When the camera is stored for long periods of time, be sure to download your photos and remove the memory card. Store the memory card in a dry environment.
- Do not modify the name of the files or folders of the memory card using your computer. Modifying the file names may cause the files to not be recognized on the camera or a possible permanent error may occur.
- A photo taken with the camera will be stored in the folder that is automatically generated on the memory card. Do not store photos that are not taken using this camera in these folders as the pictures cannot be recognized during playback.
- When you insert the memory card, make sure the notch of the card matches the markings on the top of the camera card slot.

Other Safety Notes

- Do not disconnect the power or turn the camera off during the update process. Doing so may cause incorrect data to be written and the camera may not power on later.
- Do not hang the neck strap of the camera around the neck of a child.
- When using your camera on an airplane, observe the relevant rules specified by the airline and FAA regulations.
- Due to the limitations of manufacturing technology, the LCD may have a few dead or bright pixels. These pixels do no effect the quality or performance of the camera, photos or video.
- Do not expose the camera's LCD to water. In a humid environment, only wipe it with a soft, dry, cleaning cloth.
- If the LCD is damaged and the liquid crystal comes into contact with your skin, wipe your skin with a dry cloth immediately and rinse it with clean water. If liquid crystal comes into contact with your eyes, wash them with clean water at least for 15 minutes and seek immediate medical attention. If you accidentally swallow liquid crystal, rinse your mouth immediately and seek medical attention.

APPENDICES

Product Specifications



Design and specifications are subject to change without notice.

Image Sensor		Type	1/2.3" BSI CMOS
		Effective Pixels	20.68 Megapixels
		Total Pixels	21.14 Megapixels
Lens	Focal Length	4.3mm (Wide) — 172 mm (Tele)	
	35 mm Film Equivalent	24 mm (Wide) — 960 mm (Tele)	
	F number	F3.0 (Wide) — F6.8 (Tele)	
	Lens Construction	11 groups 15 elements	
	Optical Zoom	40x	
	Focusing Range	Normal: (Wide) 50 cm ~ ∞, (Tele) 200 cm ~ ∞; Macro: 1.6 cm ~ ∞ (Wide Only)	
Autofocus System			TTL Autofocus
Anti-Handshake			Optical Image Stabilization
Digital Zoom			4x Digital Zoom (Combined Zoom: 160x)

Number of Recording Pixels	Still Image	(4:3) 20MP: 5184 × 3888 10MP: 3648 × 2736 5MP: 2592 × 1944 3MP: 2048 × 1536 0.3MP: 640 × 480	(3:2) 18MP: 5184 × 3456	(16:9) 15MP: 5120 × 2880 2MP: 1920 × 1080
	Movie	1920 × 1080 (30fps), 1280 × 720 (60fps/30fps), 640 × 480 (30fps), High-Speed Movie: 640 × 480 (120fps)		
Image Compression		Best, Fine, Normal		
DCF, DPOF (Ver1.1) Support		Yes		
File Format	Still Image	Exif 2.3 (JPEG)		
	Movie	MOV [Image: H.264; Audio: Linear PCM (Monaural)]		
Shooting Modes		Auto Mode, Program AE, Shutter priority , Aperture priority, Manual Mode, Face Beautifier, Wireless Mode, Scene Mode, Movie Mode, Custom Settings		
Scene Mode		Panorama Mode, Handheld Night, Multi Exposure, Pet Mode, Snow, Party, Sport, Night Portrait, Portrait, Children, Landscape, Sunset, Fireworks		
Detection Features		Face, Smile, Blink, Cat, Dog		
Photo Touch-up		Red-Eye Reduction, Skin Soften, Eye Brightening, Eye Enlargement		

HDR	Yes
Scan Panorama	Up to 360°
LCD Display	3.0 inch (460k Pixels)
Image Auto Rotation	Yes
ISO Sensitivity	Auto, ISO 100/200/400/800/1600/3200
AF Method	Single AF, Multi-AF (TTL 25-point), Object Tracking, Face-Detection
Exposure Metering Method	Artificial Intelligence AE (AiAE), Center-Weighted Average, Spot (Fixed to Center of Frame), Face AE
Exposure Control Method	Program AE (AE-Lock Available), Shutter Prior AE, Aperture Prior AE
Exposure Compensation	± 3 EV in 1/3 Step Increments
Shutter Speed	1/2000 ~ 30 Seconds
Burst Mode	Approx. 6fps (Full Resolution)
Playback Modes	Single, Index (9/16 Thumbnails), Slide Show, Date, Burst Shooting, Zoom (Approx. x2 ~ x8)
White Balance Control	AWB, Daylight, Cloudy, Fluorescent, Fluorescent CWF, Incandescent, Manual WB, Color Temp. (1900K ~ 10000K)

Flash	Flash Method	Pop-up (Manual)
	Flash Modes	Force Off, Flash Auto, Fill Flash, Slow Sync., Slow Sync.+Red-Eye, Red-Eye Reduction
Recording Media		Internal Memory: Approx. 15MB
		SD / SDHC / SDXC Card (Up to 512GB Support) [MMC Card not supported]
Multi-Language Support		11 Languages
Jacks		USB 2.0 (Micro 5 pin USB)
Wireless		Yes
Remote Viewfinder		Yes (via iOS/ANDROID Smart Device)
Power		AA Alkaline Battery (x4), AA NiMH Battery (x4) [Not Included]
Shooting Capability (Battery Performance)		Approx. 300 Shots of AA Alkaline Battery (Based on CIPA Standards)
Operation Environment		Temperature: 0 ~ 40°C, Humidity: 0 ~ 90%
Dimensions (W × H × D)		Approx. 114.3 × 81.6 × 84.4mm (Based on CIPA Standards)
Weight		Approx. 436g (Body Only)