

MINOX

Digital Classic Camera Leica M3 2.1

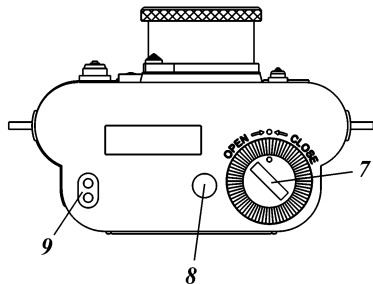
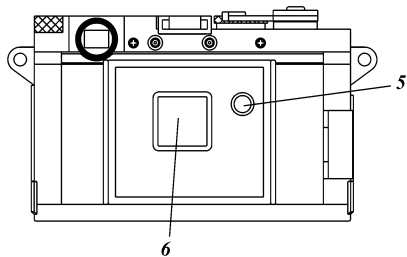
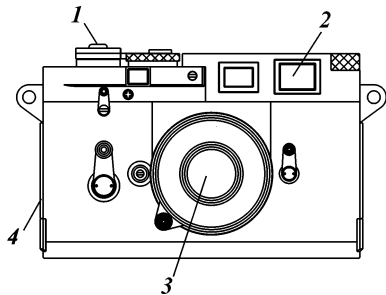
Instruction manual

Digital Classic Camera Leica M3 2.1

- English



Digital Classic Camera Leica M3 2.1



MINOX Classic Camera Blitz/Flash

Optionally available



Contents

Introduction	Page 3	Video conference	Page 14
For users in the United States	Page 4	Image processing on the PC	Page 15
For users in Canada	Page 4	- Loading still images	
Getting to know your camera	Page 5	- Image download using the Camera Wizard	
The right power supply	Page 5	- Image download using ArcSoft PhotoImpression	
- Important information on batteries		- Saving images with ArcSoft PhotoImpression	
- Inserting the batteries		- Video with ArcSoft PhotoImpression	
General Instructions	Page 6	Uninstalling the software	Page 16
Installation of the PC-Software	Page 7	Uninstalling drivers	Page 17
- Installing ArcSoft PhotoImpression		Camera maintenance	Page 18
- Connecting the DCC to your PC		- Places to avoid	
Using the DCC	Page 10	- If the camera is not used for a prolonged period of time	
- LCD status display		- Travelling overseas	
- Symbols and explanations		- Cleaning your DCC	
- Warning signals		- Image processing on the MacOS	
Shooting and deleting images	Page 11	Troubleshooting	Page 19
- Shooting images with flash		Technical data	Page 20
- Shooting images with the self-timer		Technical support	Page 21
- Sources of error when photographing		Conditions of warranty	Page 22
- Deleting images			
Altering the image compression	Page 13		

Introduction

Congratulations on the purchase of your new MINOX Digital Classic Camera Leica M3 2.1.

Like all other MINOX products this digital camera boasts the traditional values fostered by the house of MINOX. It combines functionality in the smallest possible space with maximum quality. We have miniaturized the classic camera of the fifties - the Leica M3 - and have given it a modern, digital interior.

Simple and fast operation make the MINOX DCC ideal for digital photography. It also guarantees unlimited photographic fun with its distinguished striking looks. The MINOX Digital Classic Camera – DCC for short – is now ready to become your permanent companion and capture wonderful memories in a very modern way.

We wish you great enjoyment with your new camera.

Note

The product designation „MINOX Digital Classic Camera Leica M3 2.1“ is always abbreviated in these operating instructions as „DCC“.

For users in the United States

FCC Declaration of Conformity

This device is in conformity with Part 15 of FCC rules. Operation of the device is subject to the following two conditions: (I) this device may not cause harmful interference, and (II) this device must accept any interference received, including interference that may cause undesired operation.

Warning

This device 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 or television reception. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio and 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 or more of the following measures:

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

Warning

Any changes or modifications to the unit not expressly approved in this manual shall make the warranty null and void.

For users in Canada

Warning

This Class B device complies with the specifications of the Canadian ICES-003.

Getting to know your camera

1. Shutter release
2. Viewfinder
3. Lens
4. USB Port
5. On/Mode button
6. LCD status display
7. Battery compartment
8. Mount for tripod
9. Connection to external flash
10. MINOX Classic Camera Blitz (Optional)

Note

The MINOX Classic Camera Flash (10) is optionally available and not included in the scope of delivery.
Order number: 69125

The right power supply

The DCC requires a CR2 battery. Do not use rechargeable batteries. These could damage your camera and make the warranty null and void. Please read the following important instructions and battery information prior to inserting the battery in your digital camera.

Important information on batteries

- All images taken remain saved on your digital camera, even when you remove the battery from the camera.
- Remove the battery prior to storing the camera or if you do not plan to use it for a prolonged period of time.
- Never use rechargeable batteries.
- Only replace the battery when the camera is switched off.
- The camera automatically switches back into off mode after 30 seconds of non-use, the LCD display goes blank. All images taken are then saved in the integrated memory.

Inserting batteries

1. Open the battery compartment of your DCC.
2. Take a new CR2 battery and place it in the battery compartment. Pay attention to the correct pole alignment (+)(-) which is indicated on the side of the battery.
3. Close and lock the battery compartment.

General Instructions

Notes on copyright

Images taken with your digital camera are not to be used in any way which may infringe upon copyright laws, apart from the use of a purely private nature. Please observe that several restrictions concerning the photographic recording of stage performances, entertainment events and exhibitions even apply to private use. As user you are also requested to observe that the transfer of memory cards which contain images or data subject to copyright laws is only permitted within the framework of the respective restrictions of said laws.

Trademark information

MS-DOS and Windows are registered trademarks of Microsoft Corporation in the U.S.A. and other countries. Windows is an abbreviated term which refers to the Microsoft Windows Operation System. Other company or product names are trademarks or registered trademarks of the respective corporate enterprise.

Liquid Crystal Display (LCD)

If the glass of the LCD display is cracked or broken always handle any discharging liquid crystals with great caution. If one of the situations listed below should occur, please proceed as specified:

- If liquid crystals should contact your skin always wipe the affected area with a cloth and then wash the skin thoroughly with soap and running water.
- If liquid crystals should contact your eyes rinse the affected eye with clean water for 15 minutes and then consult a doctor.
- If you should swallow liquid crystals rinse out your mouth with water. Drink large quantities of water to initiate vomiting. Then contact a doctor.

Notes on possible electrical interference

Please observe that the switched on digital camera may cause interference in other electronic equipment in e.g. hospitals or aircraft. Please observe the applied rules and warnings given in the respective areas in each case.

Important note for Windows XP

At the time of this product's release, Microsoft strongly encouraged companies to submit their hardware solutions for certification. If a hardware device driver is not submitted for Microsoft certification, a warning message appears. You may see this warning message, when installing the driver or update. If you do, you may choose to click the continue anyway-button. Minox has tested this driver or update on Windows XP and it does not impair or destabilize your computer.

Installation of the PC-Software

Before you install the software please check the computer requirements listed below in order to ensure that your computer is compatible with the software provided.

Computer requirements

System requirements	Windows 98/SE/ME/2000/XP MacOS 9.x
CPU	Pentium Processor from 350 Mhz or higher
RAM	64 MB RAM or higher
Available hard disk space	90 MB (for 98/SE/ME) 128 MB (for 2000/XP)
USB interface	USB Port
CD installation	CD-ROM drive
Monitor	16-Bit color VGA Display

Important

As a result of possible incompatibility of USB hubs or USB interface modules, PC errors may occur during the connection or data transmission. We are therefore not able to guarantee perfect compatibility and we exclude liability for damage and loss of data.

Contents of the DCC CD-ROM

- DCC Camera Driver for Windows 98/SE/ME/XP and MacOS 9.x
- Web-Cam driver for Windows 98/SE/ME/XP
- ArcSoft PhotoImpression 3.0 Software for image editing (Not included in Airline-Version)
- User manual as PDF
- Acrobat Reader

Note

Windows 2000, Me and XP, and MAC OS employ MASS STORAGE method to upload images from camera to computer. Therefore, no Camera Driver is necessary for image transfer. MAC OS only support still image transfers. There is no WEB-CAM feature on MAC OS.

Installing ArcSoft PhotoImpression

Please proceed according to the instructions specified below to install the ArcSoft PhotoImpression software.

1. Insert the enclosed DCC CD-ROM in the CD-ROM drive of your computer

2. Select the language you wish to use.
3. Click on „Continue“ on the start page to continue the Setup.
4. Click on „Yes“ on the page with the terms and conditions, after reading them, to accept these conditions and to continue with the Setup.
5. Select the storage location on your PC where you wish to install the software and click on „Next“.
6. The Setup bar appears. Please wait until this bar disappears to continue.
7. Click on „Finish“ to conclude the setup.

Note

The ArcSoft PhotoImpression Software is not included in the Airline-Version CD. You may use other image editing software as well. Please contact our customer service and ask for the ArcSoft PhotoImpression CD-Rom, if requested.

Connecting the DCC to your PC

For connection to the PC the DCC must always be in camera mode (LCD display: 00), except in WebCam mode or during video conferences. To download images onto the PC connect the DCC to your computer using the provided USB cable. Please make sure when you are connecting the camera to the computer the first time

that the DCC CD-ROM is positioned in the CD-ROM drive. Please follow the instructions given below for connecting your camera to your PC.

Note

Install the software before you provide the USB connection (for the first time)!

DCC Driver (for Windows 98/SE)

1. Insert the enclosed DCC CD-ROM in the CD-ROM drive of your computer.
2. Insert the smaller USB connector in the USB port of your DCC (on the left hand side of the camera).
3. Insert the larger USB connector in the USB port on your computer.
4. The DCC is BUS-powered. This means the USB port provides the DCC with power as soon as it is connected to the computer and switches it on automatically.
5. The computer/operating system recognizes the DCC as a new unknown device. You are then requested to install the appropriate driver.
6. Follow the instructions on the screen to complete the installation of the driver for still pictures.

Note

When employing Windows 98/SE, make sure that the DCC CD-ROM is in the CD-ROM drive before you connect your DCC to the computer for the first time!

For Windows 2000/ME/XP or MacOS 9.x

This operating system does not require any driver installation for the DCC. You do not have to install any driver.

Web-Cam Driver

Insert the DCC CD-ROM in your CD-ROM drive and connect the DCC to your computer using the provided USB cable.

1. Turn on your DCC Leica M3 and press the On/Mode button to scroll to the WebCam mode (with LCD displaying VC).
2. Insert the smaller USB connector into the USB port of your DCC (on the left hand side of the camera)
3. Insert the larger USB connector into the USB port on your computer.
4. The DCC is BUS-powered. This means the USB port provides the DCC with power as soon as it is connected to the computer and switches it on automatically.
5. The computer/operating system recognizes the DCC as a new device. You are then requested to install the appropriate driver.

6. Follow the instructions on the screen to complete the installation of the WebCam driver.

Note

Web-Cam Driver applies to all Windows OS versions. Make sure that the DCC CD-ROM is in the CD-ROM drive before you connect your DCC to the computer for the first time!

Using the DCC

LCD status display

The LCD display on your DCC indicates the operating mode, compression rate, flash mode, number of images taken and etc. Below please find Table 1 for details:

Symbols and explanations

	00	2 digit Image counter (camera mode)
	SP/Fn	Super / Fine mode
	Hr/Lr	High / Low resolution
	St	Self-timer is activated (10 seconds)



FL Flash is activated



dL Delete last image



dA Delete all images



OF Switch off



VC Video Conference



Lb Low battery

Warning signals

Replace battery

Once the power of the battery drops below a standard power level, the warning signal „Lb“ is displayed. This means the battery of your DCC will soon be empty and must be replaced. You will hear an acoustic signal and ten seconds later the camera will automatically switch into off mode.

Memory full

When the image memory of your DCC is full, the image counter displays „00“.

Important information on use

The camera automatically switches back to camera mode (with LCD displaying 2 digits) if there is no signal within ten seconds and the camera is not connected to the PC.

Shooting and deleting images

Prior to shooting pictures with the DCC always check that the battery has sufficient power. Always observe the following instructions when shooting images:

1. Switch on your DCC by pressing the On/Mode button once. The LCD display of your camera shows the image counter. The image counter counts down and indicates the number of shots left.
2. Compose your picture subject in the viewfinder.
3. Hold the camera steady and press the shutter release to shoot the image.
4. An acoustic signal confirms the image has been taken correctly.
5. When you let go off the release button you will see that the image counter now indicates one (or more) shot less which shows that the picture has been taken.

Note

After an image is captured, the image counter will show a decrement. The number of decrement depends on the size of the image captured. It will decrease by at least 1. For Super / Fine High Resolution mode, the image counter will decrease from 40. For Fine Low Resolution mode, the image counter will decrease from 60. For Super Low Resolution mode, the image counter will decrease from 99.

Shooting images with flash

There is no flash integrated in the DCC. If you wish to shoot images in unfavorable light conditions (e.g. twilight or in dark-lit areas), you will require the MINOX Classic Camera flash which is optionally available from Minox dealers. **Order number 69125**

How to connect the flash to the camera and shoot photos

1. Connect and securely fasten the Minox Classic Camera Flash to your DCC. Make sure that your Minox Classic Camera Flash is turned OFF when connecting it to your DCC. Only switch the Minox Classic Camera Flash ON when it is securely fasten to the DCC. Make sure that correct battery is inserted into your Flash unit.

2. Switch on your DCC by pressing the On/Mode button.
 3. Press down the On/Mode button until the flash mode „FL“ appears.
Press the shutter release to confirm and set this mode.
 4. Compose your subject through the viewfinder.
 5. Hold the camera steady and press the shutter release to shoot the picture. An acoustic signal confirms the image has been taken correctly.
 6. When you let go off the shutter release you will see that the image counter indicates one (or more) shot less which confirms that the picture has been taken.
4. Compose your subject through the viewfinder. Place your DCC on a flat and steady base.
 5. Press the shutter release once and you will hear short beeping signals. Now you have ten seconds to put yourself in the picture before the shutter is released to capture the image. After each shot with the self-timer the camera automatically switches back to the basic camera mode (with LCD displaying 2 digits).

Note

Once the Flash Mode is selected, the camera will remain in Flash Mode until the camera is switched off.

Shooting images with the self-timer

You can also use the DCC with the 10-second self-timer and put yourself in the picture, for example. To do this please follow the below instructions.

1. Switch on your DCC by pressing the On/Mode button.
2. Press the On/Mode button until the self-timer mode „St“ appears.
3. Press the shutter release to confirm and set this mode.

Sources of error when photographing

- Always make sure your finger, the camera strap or other objects are not covering the lens while you are shooting images.
- Always make sure that the lens is clean. If it is soiled, follow the instructions given in chapter „Camera maintenance“ for cleaning the lens.
- Hold the camera steady during the shot to avoid blurred images.

Deleting images

With the DCC you can either delete the last taken image or you can also delete all of the stored images. Please follow the instructions given below to delete images from the memory.

Delete the last image taken

1. Switch your DCC on by pressing the On/Mode button.
2. Press the On/Mode button until the mode „dL“ for „delete last image“ appears.
3. The symbol „dL“ flashes until you confirm this mode you wish to use.
4. Press the shutter release to confirm and set this mode. The flashing stops and „dL“ is displayed.
5. Press the shutter release again to delete the image.

Delete all images

1. Switch your DCC on by pressing the On/Mode button.
2. Press the On/Mode button until the mode „dA“ for „delete all images“ appears.
3. The symbol „dA“ flashes until your confirm this mode you wish to use.
4. Press the shutter release to confirm and set this mode. The flashing stops and „dA“ is displayed.
5. Press the shutter release again to commence the deleting of all images.

Altering the image compression

To allow you to store as many images in your digital camera as possible the images taken are automatically compressed.


The DCC allows you to alter the degree of image compression before taking the shot (compression rate). Always follow the following instructions for this purpose.

1. Switch on your DCC by pressing the On/Mode button.
2. Press the On/Mode button until the mode "SP" or "Fn" appears.
3. If it is in Super Mode, the display indicates "Fn". If it is in Fine Mode, the display indicates "SP".
4. Press the Shutter Release to set the appropriate modes. (If you are currently in 'SP' mode, the LCD displays 'Fn' and if you press the Shutter Release while the LCD is displaying 'Fn', you will change the mode from 'SP' to 'Fn'). An acoustic signal confirms the alteration.
5. Press the On/Mode button until the mode "Lr" or "Hr" appears.
6. If the current resolution mode is High, the display indicates "Lr"; if it is in Low Resolution mode, the display indicates "Hr".
7. Press the shutter release to set the appropriate resolution mode. (If you are currently in 'Hr' mode, the LCD displays 'Lr' and if you press the Shutter Release while the LCD is displaying 'Lr', you will change the mode from 'Hr' to 'Lr'). An acoustic

signal confirms the alteration. After changing the Hr/Lr mode, the camera will automatically reset to basic mode.

Video conference

Your DCC can be used as Web Cam for video conferences. Please follow the instructions given below for this purpose.


1. Switch on your DCC by pressing the On/Mode button.
2. Press the On/Mode button until the mode for video conferences „VC“ appears.
3. Press the shutter release to confirm and set this mode. The flashing stops and „VC“ is displayed.
4. Connect the Camera to your PC via the provided USB cable.
5. Start the ArcSoft Photolmpression software as follows: Start → Programme → ArcSoft Photolmpression → Photolmpression.
6. Click on "Get Photos" and select "Camera/Scanner"
7. Click on "  Icon"
8. Select "Live" to show the video.

Note

Video Conference is available in PC only.

Web Cam Brightness Adjustment

The Camera is preset to auto –brightness mode during web-cam operation. It means the web-cam will adjust the brightness automatically according to the ambient light intensity. But, you can follow the below instruction and change the brightness to any fixed level you prefer.

1. Click on "  " in the Photolmpression
2. Click on " Source "
3. You will see the brightness level and " "
4. Un-check the " " to make it empty " "

(The web cam is now set to manual brightness mode)

5. You can change the brightness value according to your preference.

(for normal office enviroment, the value should be ~5000)

6. Click "yes" to confirm.

Image processing on the PC

Loading still images

Downloading still images from your DCC to your PC. Turn on the camera and select the camera mode (with LCD displaying 2 digits). To download images onto the PC,

connect the DCC to your computer using the provided USB cable. For Windows 98/SE users, please make sure when you are connecting the camera to the computer the first time, the DCC CD-ROM is positioned in the CD-ROM drive. Please follow the instructions given above for connecting your camera to your PC.

Image download using the Camera Wizard

With the Camera Wizard you can download images to your PC, store the images, view them in succession as a running slide show or run your own short video.

1. Connect the DCC to your PC using the provided USB cable.
2. Double click on „My Computer“.
3. You will now see that a new drive „Removable Disc“ has been created. Double click on this.
4. All image files stored in the camera now appear on the screen of your computer.

Image download using ArcSoft PhotoImpression

Please follow the instructions given below to download images on your PC using ArcSoft PhotoImpression 3.0.

1. Connect your DCC to your PC as described above using the provided USB cable.
2. Start the ArcSoft PhotoImpression software as follows:

Start > Programme > ArcSoft PhotoImpression > PhotoImpression.

3. Select „Get Photos“ from the left panel.
4. Click on the symbol „from Folder“ at the bottom edge of the screen.
5. Click on „Browse“ and select the drive „Removable Disc“.
6. Select the folder in which the images are stored, this folder is then displayed on the screen.

Saving images with ArcSoft PhotoImpression

After downloading all selected images onto your PC, please then follow the instructions given below to save them on your PC.

1. On the ArcSoft PhotoImpression screen, click on the screen in the left panel on the symbol „Save“ and then further down in the screen on „Save as“.
2. When the save window opens select a directory in which you wish to save your images, give the image file a name and click on „Save“.

Video with ArcSoft PhotoImpression

You can use your DCC as Web Cam for recording short video sequences. Follow the instructions given below to switch the camera to the video mode.


1. Click on „Get Photos” and select „Camera/Scanner”.
2. Select „Zoran COACH USB digital camera”.
3. Click on the  icon
4. Select „Live” to show the video.

Image processing on the MacOS

Loading individual images

Once you have correctly installed the DCC driver you can load pictures from your digital camera onto your computer. To load pictures onto your Macintosh Computer (MacOS) please follow the installation instructions given below.

1. Connect the DCC to your Mac using the USB cable.
2. A new drive "Untitled" appears on your desktop. Double click this drive to open it.
3. All the saved images will appear in a window on your computer screen.

Note

You can change the name of the drive "Untitled" to any other name.

Uninstalling the software

You can uninstall the software in the „Add/Remove Program” in the control panel of your PC.

Note

Only carry out this procedure when the installed software is no longer required or if the software installation was faulty.

Carry out the following steps to uninstall your software.

1. Click on „My Computer” on your Desktop.
2. Double click on „Control Panel”.
3. Double click on „Add/Remove Programs”.
4. The Add/Remove window opens. Select the program you wish to uninstall and click on the Add/Remove button.
5. Your computer will now ask you if you really want to uninstall the program. Click on „yes” to confirm this. Follow the instructions on the screen to conclude the uninstall process.

Uninstalling drivers

Uninstalling the web cam driver

You can uninstall web cam drivers using the Device Manager.

1. Follow the instructions for switching the camera into Videoconference mode „VC“.
2. Switch on your PC and connect the camera to the PC.
3. Start up Windows, open the window "My Computer" and double click on "System".
5. Open "Device Manager" and then select "Imaging device"
6. Select the "COACH Digital Camera" and then press "delete".
7. Select the "COACH Video Camera" and then press "delete"

Note: Make sure that your DCC is connected to the PC and is in the video conference mode, otherwise you will not find „Imaging Device“ and „Device Manager“.

Uninstalling the DCC camera driver (for Windows 98/SE)

You can uninstall DCC camera drivers using the Device Manager.

1. Follow the instructions for switching the camera into camera mode.
2. Switch on your PC and connect the camera to the PC.
3. Start up Windows, open the window "My Computer" and double click on "System".
4. Open "Device Manager" and then select " hard disk controller "
5. Select the "Zoran COACH USB Driver" and then press "delete".

Note: You may have to restart your computer after uninstalling the software. Always save files and close all active programs before restarting your PC.

Camera maintenance

Always read the following information to make sure you are using your DCC correctly.

Places to avoid

Do not store or use the camera in the following places:

- Very damp, dirty or dusty places
- Places in direct sunshine or extreme temperatures, such as inside a locked car in summertime.
- Extremely cold places.
- Places exposed to severe vibrations.
- Places exposed to smoke or steam.
- Places exposed to strong magnetic fields (e.g. in close vicinity of electrically operated motors, transformers or magnets)
- Places in which aggressive chemicals such as pesticides, rubber or vinyl products are stored on a long-term basis.

Note: Keep the DCC away from sand and dust. Like any other digital camera the DCC is also particularly susceptible to sand and dust. Always make sure that the camera is not exposed to sand in sandy places, particularly on beaches or in deserts where fine sand is blown about by wind.

If the camera is not used for a prolonged period of time

If you plan not to use the camera for a prolonged period of time, always remove the battery.

Travelling overseas

Do not pack your camera with your standard luggage. The baggage handling at airports can cause damage inside the camera, even when no external damage is visible.

Cleaning your DCC

Use a small brush to carefully remove the dust from the lens and the LCD surface. Wipe the surface gently with a dry, soft, fluff-free cloth. Should there be any spots on the optical system pour a drop of liquid lens cleaning agent onto a piece of optical cloth and wipe over the lens surface gently.

Never scratch any parts of the camera using hard objects. Do not use volatile substances such as solvents, benzole or insecticides as these could react with the camera housing and lead to deformation or destroy the coating.

Troubleshooting

These guides are to help you cope with typical problems that may arise. Should the problem remain or if you require further assistance, please contact our technical customer service. The technician will be pleased to assist you. In the attachment you will find all the necessary addresses and further technical specifications.

Problem	Symptom	Remedy
I can't load images onto my PC.	Faulty connection.	Check all connecting cables.
my images are blurred.	Could be due to instantaneous delay between the pressing of the release and the shooting of the image.	Hold your LEICA M3 2.1 steady until you hear the beep sound that indicates the shot has been taken.
When I press the release nothing happens.	Between the pressing action and the release 2 to 5 seconds may elapse, depending on whether the flash is activated or not.	Wait until the flash is activated again (signal lamp flashes) or the image data have been stored in the memory of the camera.
I have found an error message in the software installation.	If several of the DCC programs are already installed on your PC the installation could cause an error message.	Reinstall the software and select the user-oriented installation.

Technical data

Digital Classic Camera Leica M3 2.1

Image sensor	2.1 MP CMOS
Image resolution	Still image: Super High Resolution (3MP): 2048 x 1536 Pixels (Interpolation) Fine High Resolution (2.1MP): 1600 x 1200 Pixels Fine Low Resolution (2.1MP): 1600 x 1200 Pixels Super Low Resolution (2.1MP): 1600 x 1200 Pixels Web-Cam / Video: 320 x 240 Pixels
Image memory (internal memory)	32MB (FLASH)
Image compression (ratio)	super/high (3MP): 1:9 / fine/high (2.1MP): 1:5 fine/low (2.1MP): 1:7,5 / super/low (2.1MP): 1:12
Image memory capacity	Super High Resolution (3MP): approx. 40 Fine High Resolution (2.1MP): approx. 40 Fine Low Resolution (2.1MP): approx. 60 Super Low Resolution (2.1MP): approx. 99
Main memory (camera)	16 MB SD-RAM
Viewfinder	Integrated optical viewfinder
LCD status display	2 digit
Flash	MINOX Classic Camera Flash, optional, order number: 69125
Lens	5 elements, glass lens element with IR filter
Lens aperture	F 2.8
Focal length	9,6 mm / related to small picture: approx. 48 mm
Sharpness range	1.5 m to infinity
White balance	automatic

For your notes

Exposure	Auto exposure
Self-timer	10 seconds
Power supply	1 x CR2 battery / via USB connection (PC)
Menu control	Shutter Button and On/Mode Button
Beep signal	Yes
Automatic off	Off mode, after 30 seconds of non-use
PC connection	USB cable
Dimensions	65 x 48 x 44 mm (LxWxH)
Weight	approx. 95 g

Technical Support

MINOX GmbH
Walter-Zapp-Str. 4
D-35578 Wetzlar, Germany
Tel.: +49 (0) 6441 / 917-0
Fax: +49 (0) 6441 / 917-612
e-mail: info@minox.com
www.minox.com

Conditions of warranty

With the purchase of this MINOX product you have acquired a product which has been manufactured and checked to special quality standards.

For this product the MINOX GmbH provides warranty of 2 years. The period commences on the date of purchase from an authorized dealer and the warranty is subject to the following conditions:

- 1) During the warranty period we shall deal with complaints based on faulty manufacture (free of charge) by repair, replacement of defective parts or replacement by an identical flawless product at our own discretion. Consequential claims, no matter what kind of what legal argument in connection with this warranty, cannot be accepted.
- 2) Claims under warranty are null and void, if the defect has been caused by improper handling – which also can include the use of non-MINOX accessories – if the MINOX product is serviced by unauthorized persons or workshops, or if the serial number has been obliterated.
- 3) Warranty claims can only be made by submission of the typewritten sales slip of an authorized dealer.

4) When submitting claims under warranty please return the MINOX product together with the typewritten sales slip and a description of the claim to the MINOX GmbH or MINOX agency.

5) Tourists may, if required, make use of the Agency of the country in which they are travelling (within the terms of the Warranty of the MINOX GmbH) by presenting the typewritten sales slip.

MINOX GmbH
Walter-Zapp-Str. 4
D-35578 Wetzlar
Tel.: +49 (0) 6441 / 917-0
Fax: +49 (0) 6441 / 917-612
eMail: info@minox.com
Internet: www.minox.com

Design subject to alterations without notice.

MINOX is a registered trademark of MINOX GmbH, Wetzlar.

Leica is a registered trademark of Leica Microsystems I. R. GmbH.

MINOX GmbH

Walter-Zapp-Str. 4

D-35578 Wetzlar, Germany

Tel.: +49 (0) 6441 / 917-0

Fax: +49 (0) 6441 / 917-612

e-mail: info@minox.com

www.minox.com