Waterproof digital camera
MEDION® LIFE® 541001 (MD 86293)

Instruction Manual
Overview of the appliance

Front

- Flash
- Lens
- Microphone

Rear

- Operating LED
- Zoom button
- Mode button
- 4-way navigation button
- Menu button
- LC display
- Playback button
Top

- On/off button
- Shutter release
- Loudspeaker

Bottom

- Tripod socket
- USB connection
- SD card slot
- Battery compartment

Page

- Macro button
- Loop for carrying strap
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</tbody>
</table>
Safety instructions

About these instructions
Read the safety instructions carefully before use. Note the warnings on the appliance and in the operating instructions.
Always keep the operating instructions close to hand. If you sell the equipment or give it away, make sure you also hand over these instructions and the guarantee card.

Proper use
- The camera is designed for taking digital pictures.
- Do not operate the camera either in extreme heat or extreme cold.
- The camera is not suited for operation in extreme conditions.

Warning
To avoid injury please note the following warnings when using this product.
- Make sure you are not too close to people when using the flash. Otherwise you could damage people’s eyes.
- Keep a distance of at least one metre from children when working with the flash function.
- Do not open up or dismantle the device.
- Dismantling the device could lead to an electric shock. Tests on internal components, modifications and repairs should be carried out by specialists only. Please take the product to an authorised service centre for checks.
- If you are not going to use the camera for a period of time, remove the batteries to prevent leakage.
Battery instructions

Please note the following general instructions for handling batteries:

- Keep batteries away from children. Seek medical attention immediately if a battery is swallowed.
- CAUTION! Never try to recharge non-rechargeable batteries. Danger of explosion!
- ATTENTION! There is a risk of explosion if batteries are incorrectly replaced. Always replace the batteries with an equivalent type.
- Before inserting the batteries, check that the contacts in the device and on the batteries are clean and, if necessary, clean them.
- Please note the polarity (+/–) when inserting the batteries.
- Store batteries in a cool, dry place. Direct intense heat can damage the batteries. Therefore do not expose the device to any sources of direct heat.
- Avoid contact with skin, eyes and mucous membranes. If these areas come into contact with battery acid, rinse them immediately with plenty of clean water and contact a doctor immediately.
- Do not throw batteries into a fire, do not short-circuit them and do not dismantle them.
- Never expose the batteries to excessive heat such as sunshine, fire or similar.
- Always replace batteries in a dry environment!
- Remove a leaking battery from the device immediately. Clean the contacts before inserting a new battery. There is a risk of skin irritations from battery acid!
- Remove flat batteries from the camera.
Precautionary measures
Please note the following precautionary measures to avoid damage to your camera and to keep it in good condition.

- Keep away from salt and dust
  If you have been using the camera on the beach or at the seaside, wipe off salt and dust with a light, damp cloth. Carefully dry the camera afterwards.

- Keep the device away from strong magnetic fields.
  Never place the camera too close to appliances which generate strong electromagnetic fields, such as electric motors. Strong electromagnetic fields may result in camera malfunctions or corrupt data recordings.

- Avoid excessive heat
  Do not use or store the camera in sunlight or at high temperatures. This can cause the battery to leak or the case to become misshapen.

- Avoid extreme variations in temperature.
  If you suddenly take the camera out of a cold environment into a warm one or vice versa, condensation can form outside and inside it which can result in malfunctions and damage to the camera. Wait until the camera temperature has raised to match the ambient temperature before starting to use the camera. You can provide some protection against varying temperatures by using a bag or a plastic case.

- Do not drop the camera
  Jarring or vibrations resulting from a fall can cause malfunctions. Loop the strap round your wrist when you carry the camera.

- Do not remove batteries when data are being processed
  When image data is being recorded to memory cards or deleted, switching off the power supply can result in data loss or damage the internal circuitry or memory.
• Treat lens and all moving parts carefully
  Do not touch the lens or the lens barrel. Take care when handling the memory card and the battery. These parts are not designed for high levels of stress.

• Batteries
  At low temperatures, there can be a sharp drop in battery capacity.

• Memory cards
  Switch the power supply off before you insert or remove the memory card. Otherwise the memory card may become unstable. Memory cards may warm up during use. Always remove the memory cards from the camera carefully.

• Underwater operation
  The camera is suitable for underwater operation up to a maximum depth of 3 metres. Please make sure that you do not dive deeper than 3 metres.

Water resistance

• The camera is water resistant to a depth of 3 metres.
• The camera should only be used for a maximum of 60 minutes underwater.
• The accessories supplied are not water resistant.

Important notes before diving:

• Avoid the following actions in sandy/dusty environments or when near to water.
• Check the area around the battery compartment.
  Remove any dirt, sand or other particles with a dry cloth.
• Ensure that the battery compartment does not display any scratches or cracks.
- Ensure that the camera does not have any cracks.

At low temperatures the capacity of the battery can be drastically reduced due to the slowing down of the chemical reactions. When recording in cold weather keep a second battery pack in reserve in a warm place (e.g. trouser pocket).

This symbol on the camera certifies that the device complies with EU guidelines on electromagnetic interference. CE stands for Conformité Européenne (European conformity).

The camera is for private use only and not intended for use by companies in the heavy industry sector.
Start of operation

Included in the box

Please check your purchase to ensure all items are included and contact us within 14 days of purchase if any of the following components are missing:

The following items are supplied with the product:

- Camera
- 2 x AAA 1.5V batteries
- 2 GB SD memory card (optional)
- USB/AV cable
- Carrying strap
- Carrying case
- Software CD
Inserting batteries

2 AAA 1.5 V batteries are required to operate the camera.

► Slide the catch of the battery compartment in the direction indicated by the arrow and open the battery compartment cover.

► Slide the battery compartment in the direction indicated by the arrow and open the battery compartment.

► Insert the batteries as illustrated. Observe the polarity (as shown).

► Close the battery compartment and move the catch back to its original position.
Inserting and removing SD cards

If no memory card is inserted, photos will be stored in the internal memory. Please note that the capacity of the internal memory is limited. Use an SD memory card to increase the memory capacity. If a memory card is inserted, your photos will be stored on the card.

Insert card
► Switch the camera off.
► Open the cover of the battery compartment.

► Insert the card as shown into the card slot.

► Close the battery compartment cover and move the catch back to its original position.

To remove the card, press it down briefly to release it. The card will then protrude slightly and can be removed.
Attaching the carry strap

For ease of handling and increased security attach the carrying strap to the camera.

► Feed the strap through the loop.
► Pull the other end of the carrying strap through the thin loop of the strap and pull tight.

*If you carry the camera by the carrying strap ensure that the camera does not bang into anything.*

*While you are attaching the carrying strap place the camera on a stable surface so it cannot fall down and get broken.*
First Steps

Switching on the camera
► Press the ON/OFF button for 1 to 2 seconds to turn on the camera.
   The indicator lights up green and the display switches on. The camera is in shooting mode.
   *If the camera does not switch on, check whether the batteries have been inserted properly and whether they are charged.*

Switching off the camera
► Press the ON/OFF button down for a little longer to switch the camera off.

Energy-saving function
If the camera has not been used for 60 seconds, it will switch off automatically. You can increase the automatic switch-off time to five minutes.

The energy-saving function is disabled in the following circumstances:
- While recording audio and video clips;
- During playback of images, video clips or audio recordings;
- While the camera is connected to another device via the USB socket.
Setting the language, date and time

Before using the camera for the first time, you should select your preferred language from the menu and set the current date and time. Both settings are performed in the “SETTINGS” menu.

► With the camera switched on, press the button to open the menus.
► Select the menu “SETTINGS” using the or the button.

Formatting
► Select the entry “FORMATTING” in the “SETTINGS” menu using the buttons or and press the button. The formatting menu opens.
► Select the symbol using the buttons or to format the memory card or select if you do not want to format the memory card.

CAUTION!
If you format the memory all the data stored there will be deleted.
Ensure that no important data is still in the memory or on the SD card.

Factory settings
► Select the entry “FACTORY SETTINGS” in the “SETTINGS” menu using the buttons or and press the button. The factory settings menu opens.
► Select the symbol using the buttons or and press the button to return the camera to the factory settings.
Language
► Select the entry “LANGUAGE” in the “SETTINGS” menu using the buttons or and press the button.
The language selection menu opens.
► Select your desired language using the buttons or and press the button.

Energy saving
► Select the entry “ENERGY SAVING” in the “SETTINGS” menu using the buttons or and press the button. The energy saving menu opens.
► Select the symbol using the buttons or to deactivate the automatic switch-off function.
► Use the buttons or to select either 5 minutes or 1 minute as the camera’s automatic switch-off period and confirm the selection with the button.

Sound
► Select the entry “SOUND” in the “SETTINGS” menu using the buttons or and press the button. The sound menu opens.
► Select the symbol using the buttons or to deactivate the key tones.
► Select the symbol using the buttons or to activate the key tones.

The “shutter tone” is permanently activated and cannot be deactivated.
Frequency
► Select the entry “FREQUENCY” in the “SETTINGS” menu using the buttons or and press the button. The frequency menu opens.
► Select a frequency of 60 Hz or 50 Hz (corresponding to your TV’s frequency) using the buttons or and confirm the selection by pressing the button.

TV Standard:
► Select the entry “TV STANDARD” in the “SETTINGS” menu using the buttons or and press the button. The frequency menu opens.
► Select a TV standard of either PAL or NTSC (corresponding to your TV system) using the buttons or and confirm the selection by pressing the button.

Date/time
► Select the entry “DATE/TIME” in the “SETTINGS” menu using the buttons or and press the button. The settings menu opens.
► Select the field that you would like to change using the buttons or .
► Enter the desired value with the buttons or . Hold down the keys to fast forward through the digits.
► When the desired value is displayed, proceed to the next field using and to the previous field using the button.
► Press to confirm the chosen values.

The camera can only display the date and time in the playback mode. This information cannot be printed.
Follow the instructions on p. 39 to activate the date stamp.
The time setting is saved by the internal battery. It is lost, however, if the batteries are removed from the camera for more than 48 hours.

**Shooting and playback mode**

The shooting mode is enabled after the camera has been switched on: you may take photos immediately. You can also record audio and video clips.

In playback mode, you can play, edit and delete photos, audio clips and video clips.

- To start playback mode, press the playback button [►]. The playback icon appears in the top left of the display. The last picture taken is displayed.
- To return to shooting mode, press the playback button [►] again.
Display options

Display options during video recording

The following display options are possible during video recording mode:

<table>
<thead>
<tr>
<th>Number</th>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><img src="image.png" alt="Symbol 1" /></td>
<td>Shows the number of saved files</td>
</tr>
</tbody>
</table>
| 2      | ![Symbol 2](image.png) | Memory status  
- ![Symbol 3](image.png): Shows that an SD card is being used  
- ![Symbol 4](image.png): Shows that no SD card has been installed and the internal memory is being used |
<p>| 3      | <img src="image.png" alt="Symbol 5" /> | Resolution |
| 4      | <img src="image.png" alt="Symbol 6" /> | Quality |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>![Date/time display icon]</td>
<td>Date/time display</td>
</tr>
<tr>
<td>6</td>
<td>![Remaining recording time icon]</td>
<td>Shows the remaining recording time</td>
</tr>
<tr>
<td>7</td>
<td>![Image histogram icon]</td>
<td>Image histogram</td>
</tr>
<tr>
<td>8</td>
<td>![Battery status icon]</td>
<td>Battery status</td>
</tr>
<tr>
<td>9</td>
<td>![Macro mode icon]</td>
<td>Macro mode</td>
</tr>
<tr>
<td>10</td>
<td>![Current white balance icon]</td>
<td>Shows the current white balance</td>
</tr>
<tr>
<td>11</td>
<td>![Video mode icon]</td>
<td>Video mode</td>
</tr>
<tr>
<td>12</td>
<td>![Exposure correction icon]</td>
<td>Shows the current exposure correction</td>
</tr>
<tr>
<td>13</td>
<td>![Zoom bar icon]</td>
<td>Zoom bar</td>
</tr>
</tbody>
</table>
Display options during video playback
The following display options are possible during video playback mode:

<table>
<thead>
<tr>
<th>Number</th>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><img src="image1" alt="Symbol" /></td>
<td>Shows the number of the current video and the total number of video files</td>
</tr>
<tr>
<td>2</td>
<td><img src="image2" alt="Symbol" /></td>
<td>Shows the time elapsed and the total length of the clip</td>
</tr>
<tr>
<td>3</td>
<td><img src="image3" alt="Symbol" /></td>
<td>Shows the current battery status</td>
</tr>
<tr>
<td>4</td>
<td><img src="image4" alt="Symbol" /></td>
<td>Shows that the file is protected</td>
</tr>
<tr>
<td>5</td>
<td><img src="image5" alt="Symbol" /></td>
<td>Shows that the camera is in playback mode</td>
</tr>
<tr>
<td>6</td>
<td><img src="image6" alt="Symbol" /></td>
<td>Shows the current volume level</td>
</tr>
</tbody>
</table>
Display options for photo shooting

The following display options are possible during photo shooting mode:

<table>
<thead>
<tr>
<th>Number</th>
<th>Symbol</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>•••••</td>
<td>Shows the number of saved pictures and the number of pictures remaining</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>Memory status</td>
</tr>
<tr>
<td></td>
<td></td>
<td>•: Shows that an SD card is being used</td>
</tr>
<tr>
<td></td>
<td></td>
<td>••: Shows that no SD card has been installed and the internal memory is being used</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Resolution</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>Quality</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>5</td>
<td>🕒</td>
<td>Self-timer</td>
</tr>
<tr>
<td>6</td>
<td>🕒</td>
<td>Face recognition</td>
</tr>
<tr>
<td>7</td>
<td>🕒</td>
<td>Shows the current date and time</td>
</tr>
<tr>
<td>8</td>
<td>🎨</td>
<td>Image histogram</td>
</tr>
<tr>
<td>9</td>
<td>🗂️</td>
<td>Sequence mode</td>
</tr>
<tr>
<td>10</td>
<td>📄</td>
<td>Battery status</td>
</tr>
<tr>
<td>11</td>
<td>🌾</td>
<td>Macro mode</td>
</tr>
<tr>
<td>12</td>
<td>📏</td>
<td>Date stamp</td>
</tr>
<tr>
<td>13</td>
<td>🌟</td>
<td>Night Mode</td>
</tr>
<tr>
<td>14</td>
<td>🕒</td>
<td>White balance</td>
</tr>
<tr>
<td>15</td>
<td>🌈</td>
<td>Flash mode</td>
</tr>
<tr>
<td>16</td>
<td>📸</td>
<td>Photo mode</td>
</tr>
<tr>
<td>17</td>
<td>📁</td>
<td>Shows the current exposure correction</td>
</tr>
<tr>
<td>18</td>
<td>📸</td>
<td>Zoom bar</td>
</tr>
</tbody>
</table>
Display options during photo playback

The following display options are possible during photo playback mode:

<table>
<thead>
<tr>
<th>Number</th>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0008 0012</td>
<td>Shows the number of the current photo and the total number of saved photos.</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>Shows the current battery status</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Shows that the file is protected</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>Shows that the camera is in playback mode</td>
</tr>
</tbody>
</table>
Switching the display options on and off

In shooting mode
By pressing the button 📹, you can change the display options. The following display characteristics are available:
- With all display options
- With the most important display options
- No display options
- Display deactivated

*The screen displays may vary with the shooting mode.*

In playback mode
By pressing the button ⏳, you can change the display options in playback mode.
The following display characteristics are available:
- With all display options
- With the most important display options
- No display options
- Display deactivated

The displays cannot be changed:
While recording and playing back audio and video clips;
During a slideshow or thumbnail display;
Taking your first shots

Setting shooting mode

When the camera is switched on, it automatically switches to shooting mode. If playback mode is enabled instead of shooting mode, press the playback button [ ] to select shooting mode.

Tips for taking good shots

- Move the camera slowly so that the photos do not become fuzzy. The camera should not move when pressing the shutter release. Do not move the camera directly after pressing the shutter release. Wait for the shutter release signal.
- View the subject on the display before you press the shutter release.
- Check the angle if the subject is lit from behind. Change your position to reduce the background lighting.
- In order to create good video clips, move the camera round slowly. If you pan too quickly, the video pictures will be fuzzy and blurred.
Taking photos
► Press the shutter release all the way down to take the picture. A tone signalises that the photo has been taken.
► The photos are saved as JPEG files.

Using the flash
If the light is insufficient for taking a photo, the integrated flash will provide the required extra light.
Press the “flash” button repeatedly to select the following flash settings:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>![flash]</td>
<td>AUTO: The flash is automatically enabled if shooting conditions require additional lighting.</td>
</tr>
<tr>
<td>![flash]</td>
<td>Permanent flash</td>
</tr>
<tr>
<td>![flash]</td>
<td>Flash always off</td>
</tr>
</tbody>
</table>

The flash only works in single shot and self-timer mode. It cannot be used for photo sequences and video recordings.
Using the flash increases energy consumption. If the battery is almost flat, the flash requires a longer time for charging.

_Do not use the flash to take close-ups of people and animals. Maintain a distance of at least one metre from your subject._

Diving mode
In diving mode the exposure is adjusted to the conditions under water.
► Press the MODE button in the desired mode.
► The symbol for diving mode will appear in the display.
Zoom function – enlarging or reducing
The camera has an 8x digital zoom.

Press the W – T button. The bar appears which indicates the zoom level:

W: The image is zoomed out (wide angle); you can capture a larger area.
T: The image is zoomed in (“telephoto”); you can capture a smaller area.

With the digital zoom, the image section is enlarged by interpolation; the image quality may suffer somewhat as a result.

Setting the focus mode
You can use this function to define the focus type when taking a photo or recording a video.

Slide the macro switch to the desired setting.

Your camera has two different focus modes, as follows:

Normal
With normal focus, the focus range starts at 40 cm. If the camera is set to normal mode, no icon is displayed.

Macro
This mode is ideal for close-ups. In this mode, you can capture details by means of a fixed focus and sharpen the image even at a short distance.
Recording videos

► Press the MODE button until the video symbol appears in the top left of the display.
► Press the shutter release to start recording. The recording time is displayed.
► You can change the image area by zooming in and out using the T – W button.
► Press the shutter release again to stop recording.

Note:
During the video recording, the microphone is enabled and the sound is also recorded.
The video recordings are saved together with the sound as an AVI file.

Diving mode
In diving mode the exposure is adjusted to the conditions under water.
► Press the MODE button in the desired mode.
► The diving symbol for diving mode will appear in the display.
Recording audio clips

The microphone is on the front left of the camera beneath the lens. Take care not to touch the microphone during the recording.

► In the “VIDEO MENU”, select the entry “SPEECH RECORDING” under the setting “RECORDING MODE” (See page for recording modes).

► Press the shutter release to start recording. The recording bar appears in the display.

► Press the shutter release again to stop recording.

Note:

Speech recordings are saved as WAV files.
The video menu

The video menu allows you to make the essential settings for recording videos.

There is a separate menu for each recording mode (video, photo, audio recording). In this menu you can select the specific settings for recording videos.

► Press the button in video mode to open the menu. The Functions menu appears on the display. Press the MODE button twice if the camera is still in photo shooting mode.

► Select the submenu that you would like to open using the buttons or . Press the button to open the desired menu.

► Select the desired setting using the buttons or .

► Press the button to save the settings.
**Resolution**
The resolution basically determines the quality of the video. The higher the resolution, the more memory a shot requires.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Size in pixels</th>
</tr>
</thead>
<tbody>
<tr>
<td>QVGA</td>
<td>320x240</td>
</tr>
<tr>
<td>VGA</td>
<td>640x480</td>
</tr>
</tbody>
</table>

The VGA setting is recommended for sending images by e-mail, for example.
White balance
The white balance can correct certain light conditions.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AWB</td>
<td>Automatic white balance</td>
</tr>
<tr>
<td></td>
<td>White balance is adjusted automatically</td>
</tr>
<tr>
<td>☀️ Daylight</td>
<td>Suitable for shots in bright daylight.</td>
</tr>
<tr>
<td>🌸 Cloudy</td>
<td>Suitable for shots under cloudy skies, at dusk or in the shade.</td>
</tr>
<tr>
<td>🌃 Light bulb</td>
<td>For shots taken in electric (tungsten) light.</td>
</tr>
<tr>
<td>🌟 Neon H.</td>
<td>Suitable for shots in fluorescent light. Corrects the green cast from fluorescent lamp light and can save the flash.</td>
</tr>
</tbody>
</table>

Quality
The quality determines the compression required for the recorded data. The higher the quality, the more memory space the images require.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>📷 Superfine</td>
<td>Highest quality</td>
</tr>
<tr>
<td>📷 Fine</td>
<td>Medium quality</td>
</tr>
</tbody>
</table>
**Exposure correction**
By correcting the exposure values (EV, exposure value) you can adjust pictures that are too dark or too light. You can set the value in nine stages between +2.0 EV and -2.0 EV. The following bar chart appears on the display:
Use a positive value when light conditions are poor and a negative value in strong light.
Do not use the exposure correction when the subject is in a very bright or very dark area or if you are using the flash. Select this setting.

**Shooting mode**
In the “recording mode” menu you can switch between video and audio recordings.
- Select 🎤 to start an audio recording.
- Select 🎬 to continue with video recording.
The photo menu
The video menu allows you to easily make the basic settings for making captures.

There is a separate menu for each recording mode (film, photo, audio recording). In this menu you can select the settings for shooting specific photos.

► Select the submenu that you would like to open using the buttons or .
► Press the button to open the desired menu.
► Select the desired setting using the buttons or .
► Press the button to save the settings.
Resolution
The resolution basically determines the quality of the photos taken. The higher the resolution, the more memory a shot requires. The highest resolutions are generally recommended for large prints (larger than A4).

<table>
<thead>
<tr>
<th>Setting</th>
<th>Size in pixels</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 M</td>
<td>1280x960</td>
</tr>
<tr>
<td>3 M</td>
<td>2048x1536</td>
</tr>
<tr>
<td>5 M</td>
<td>2592x1944</td>
</tr>
</tbody>
</table>

Quality
The quality determines the compression required for the recorded data. The higher the quality, the more memory space the images require.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>⚫</td>
<td>Superfine</td>
</tr>
<tr>
<td>⚫</td>
<td>Fine</td>
</tr>
</tbody>
</table>

Highest quality
Medium quality
White balance
The white balance can correct certain light conditions.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AWB</td>
<td>Automatic white balance. White balance is adjusted automatically.</td>
</tr>
<tr>
<td>☀️</td>
<td>Daylight</td>
</tr>
<tr>
<td>🌦️</td>
<td>Cloudy</td>
</tr>
<tr>
<td>🌛</td>
<td>Light bulb</td>
</tr>
<tr>
<td>⚡️</td>
<td>Neon H.</td>
</tr>
</tbody>
</table>

Exposure correction
By correcting the exposure values (EV, exposure value) you can adjust pictures that are too dark or too light.
You can set the value in nine stages between +2.0 EV and -2.0 EV.
The following bar chart appears on the display:
Use a positive value when light conditions are poor and a negative value in strong light.
Do not use the exposure correction when the subject is in a very bright or very dark area or if you are using the flash. Select this setting.
**Effect**
You can use the photo effects in the shooting and playback modes in order to lend various tones or aesthetic effects to images.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>No photo effect set.</td>
</tr>
<tr>
<td>Sepia</td>
<td>The image is produced in nostalgic sepia tones.</td>
</tr>
<tr>
<td>Black/white</td>
<td>The image is produced in black &amp; white.</td>
</tr>
</tbody>
</table>

**Night mode**
Night mode helps you to achieve better results when shooting photos at night.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Night mode is deactivated.</td>
</tr>
<tr>
<td></td>
<td>Night mode is activated.</td>
</tr>
</tbody>
</table>
Sequence
The sequence mode allows you to shoot a series of three photos by pressing the capture button.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Single photos will be shot</td>
</tr>
<tr>
<td>![icon]</td>
<td>When the shutter release button is pressed a sequence of 3 photos will be shot</td>
</tr>
</tbody>
</table>

Face recognition
Face recognition allows you to automatically recognise and follow faces.
► Select ✔ to activate the face recognition function.
► Select ✗ to deactivate the face recognition function.

Date stamp
The date stamp allows you to display the date when the photo was taken.
► Select ✔ to activate the date stamp.
► Select ✗ to deactivate the date stamp.
Watching and listening to recordings

Individual playback of recordings
You can play back your most recent recordings in sequence in display mode.

► Press the playback button in the desired mode (video/photo mode) to activate the relevant playback mode. The last recording will be shown on the display.

► Press the buttons or to view the previous or next recording.

Playing back images as thumbnails
► In playback mode, press the W zoom button for a thumbnail display of up to nine small preview images.

► You can select the desired file by using the direction buttons or.

► Press the button to display the image at full size.

► You can also use the T zoom button to return to full size view.
**Playing back video/audio clips**

- Select the desired recording in the relevant playback mode.
- Press the ❯ button to start the playback.

During video clip playback, press the ◀ or ▶ buttons to fast forward or rewind.
- Press the T button to increase the volume.
- Press the W button to reduce the volume.
- If you wish to pause playback, press the ◄ button.
- Press the ◄ button again to continue the playback.

**Zooming into photos**

You can zoom into specific image sections in photographs.

- Press the T button repeatedly in full size view to enlarge the image section up to 16 times.
- The four arrows at the edges indicate that the image section is zoomed.
- Use the arrow keys ◁, ▶, ▲, ◀ to change the image section within the image.
- Press the button ◄ to return to the full size image.
Deleting photos
You may delete shots in playback mode or via the playback menu. The quickest way to delete an individual shot is with the "button in playback mode.

► Select the shot in playback mode and press the "button.
► Select ☒ using the buttons  /  to delete the file.
► Press the  button to confirm your request.
► To cancel the function, select ☒ and confirm again by pressing
► The next shot is shown on the display.

If a memory card is inserted, you can delete only the files on the memory card.
If the memory card is locked, you cannot delete the files on the memory card.
You cannot restore a file that has been deleted. Therefore, take particular care when deleting files.
The photo playback menu

In the photo playback menu, you can make a variety of settings for the files: e.g. delete or protect files.

Make sure that you are in photo playback mode.
► Press the button. The photo playback menu opens up.
► Select the submenu that you would like to open using the buttons or.
► Press the button to open the desired menu.
► Select the desired setting using the buttons or.
► Press the button to save the settings.

Delete
► Select in the submenu to delete individual photos.
► Use the or buttons to select a photo.
► Select using the buttons or to delete the current photo.
► Select using the buttons or to cancel the deletion process.
► Select in the sub menu to delete all saved photos.
Protection
► Select in the submenu to protect individual photos.
► Use the or buttons to select a photo.
► Select using the buttons or to protect the current photo.
► Select using the buttons or to cancel the protection process.
► Select in the submenu to protect all saved photos.

Automatic playback
You can play back the photos and video clips as a slideshow.
► Select using the buttons or to start the slideshow.
► Select using the buttons or to cancel the protection process.

Copying on to a memory card
In this menu, you can copy all of the photos saved on the camera’s internal memory onto the SD card
► Select using the buttons or to copy the photos.
► Select using the buttons or to cancel the copying process.

If a memory card is inserted, you can only delete the files on the memory card.
If the memory card is locked, you cannot delete the files on the memory card.
You cannot restore a file that has been deleted. Therefore, take particular care when deleting files.
DPOF

DPOF stands for “Digital Print Order Format”.
Here you can specify print settings if you wish to have pictures published by a photo studio or a DPOF-compatible printer. With a DPOF-compatible printer you can print the pictures directly without transferring them to the computer beforehand.

► Select 📷 in the submenu to select individual photos.
► Use the 📷 or 📷 buttons to select a photo.
► Select ✅ using the buttons 📷 or ✅ to mark the current photo.
► Select ⚥ using the buttons 📷 or ✅ to cancel the process.
► Select ⚥ in the submenu to protect all saved photos.
The video playback menu

In the video playback menu you can make a variety of settings for the files: e.g. delete or protect some files.

Make sure that you are in video playback mode.

► Press the button. The video playback menu opens up.
► Select the submenu that you would like to open using the buttons or ．
► Press the button to open the desired menu.
► Select the desired setting using the buttons ． or ．
► Press the button to save the settings.

Delete
► Select  in the submenu to delete individual videos.
► Use the ． or ． buttons to select a video.
► Select  using the buttons ． or ． to delete the current video.
► Select  using the buttons ． or ． to cancel the deletion process.
► Select  in the submenu to delete all saved videos.
Protection
► Select 🗼 in the submenu to protect individual videos.
► Use the ⬅️ or ➡️ buttons to select a video.
► Select ▪️ using the buttons ⬅️ or ➡️ to protect the current video.
► Select ❌ using the buttons ⬅️ or ➡️ to cancel the process.
► Select 🗼 in the submenu to protect all saved videos.

Copying on to a memory card
In this menu, you can copy all of the pictures saved on the camera’s internal memory onto the SD card
► Select ▪️ using the buttons ⬅️ or ➡️ to copy the photos.
► Select ❌ using the buttons ⬅️ or ➡️ to cancel the process.

If a memory card is inserted, you can only delete the files on the memory card.
If the memory card is locked, you cannot delete the files on the memory card.
You cannot restore a file that has been deleted. Therefore, take particular care when deleting files.
Connection to TV and PC

Displaying captures on a television set
You can play back the captures from your camera on a television set.

► Switch off the camera and television set.
► Connect the TV cable supplied to the USB socket on the camera and to the yellow video socket and white audio socket on the television set.
► Switch the camera and television set on.
► Switch the camera to Playback mode and begin playback as required.
► If the television set does not detect the camera signal automatically, switch to the appropriate video input on the television set (usually by means of the AV button).
► You may have to choose between PAL and NTSC in the camera menu settings, under TV output menu selection.
Transferring data to a computer

You can copy your captures to a computer.

Supported operating systems:
- Windows XP
- Windows Vista
- Windows 7

Using a USB cable

► Connect the supplied USB cable to the USB output on the camera and to the USB port on the computer.
► Select the function “mass storage device” on the camera to use the internal memory of the camera and the inserted SD card as external memory.
► Press “direct print” to print out individual or all photos.
► Double-click on the media icon for the camera.
► Navigate to the “DCIM” directory and, where applicable, to the relevant subdirectories in order to display the files (*.jpg = photos; *.avi = sound recordings; *.wav = video recordings).
  See also the directory structure in the memory.
► Press down the left mouse button and drag the relevant files to the directory provided on the computer, e.g. in the folder “My Documents”. You can also highlight the files and use the Windows commands “Copy” and “Paste”.

The files are transferred to the computer and stored there. You can display and process the files with a suitable application.
**DCF memory standard**

The recordings on your camera are managed (saved, named, etc.) as specified by the DCF standard (DCF = Design Rule for Camera File System). Captures on memory cards for other DCF cameras can be played back on your camera.

**Card drive**

If your PC has a card drive or is connected to a card reader and you have saved the shots on the memory card, you can use this to copy the shots onto the PC.

The card reader is also detected as a removable data medium on the Windows desktop (or in “Computer” if using Vista).
Directory structure in the memory

The camera saves the pictures, videos and audio files in three different directories in the internal memory or on the memory card. The following directories are created automatically:

**DCIM**: All pictures, videos and audio files are saved to this folder, with the exception of files which are recorded in auction or Internet quality mode.

A maximum of 999 folders can be created. If another capture is made after this point, an error message will appear (“Directory cannot be created”). In this case, proceed as follows:

- Insert a new memory card.
- Reset the file numbers in the “Settings” menu, “File reset” menu item. The file count begins at 0001 again in the DSCI1000 folder.

Do not try to change the folders and files in the camera’s own directory structure (by renaming, etc.). You might destroy the files by doing so.
Installing the software

On the CD supplied, you will find the programs “Videoworks” and “Mr. Photo” for editing your pictures.

► Insert the CD-ROM into the computer’s CD-ROM drive.
► Usually, the CD is automatically recognised and displayed. If not, select the CD drive in Windows Explorer > My Computer and double-click on the drive name to start the CD.
► On the start page, you will see the contents of the CD.
► To install the software, highlight the desired program and click INSTALL.
► Follow the other on-screen instructions.

Storage capacity

<table>
<thead>
<tr>
<th>Resolution</th>
<th>Size of memory card</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>64 MB</td>
</tr>
<tr>
<td>5 M</td>
<td>40</td>
</tr>
<tr>
<td>3 M</td>
<td>66</td>
</tr>
<tr>
<td>VGA</td>
<td>305</td>
</tr>
</tbody>
</table>

The table specifies the number of images that you can save at a chosen resolution (e.g. 5 M) on a memory card with a specified size (e.g. 128 MB).

The actual number of photos that can be saved may vary (by up to 30%) depending on the resolution and the number of colours.
Troubleshooting

Use the following checklist if the camera does not function correctly. If the problem persists, consult MEDION Service.

The camera will not switch on.
- The batteries were not inserted correctly.
- The batteries are dead.
- The battery compartment door is not closed properly.

The camera will not take photos.
- The flash is still charging.
- The memory is full.
- The SD card is not correctly formatted or is defective.
- The maximum number of files has been exceeded. Reset the file numbering function.
- Not enough light. Change the angle of the camera to pick up more light, or use the automatic flash.

The flash does not go off.
- The camera was moved during the shot.
- The flash is switched off.

The image is blurred.
- The camera was moved during the shot.
- The subject was outside the camera’s focal range. Use the Macro mode for close-up pictures if necessary.
The image is not shown on the display.
- An SD card has been inserted which took pictures in non-DCF mode on another camera. The camera cannot display that type of image.

The period of time between shots is longer when taking pictures in the dark
- The shutter usually works slower under weak light conditions. Change the angle of the camera, or improve the light conditions.

The camera switches itself off.
- After a preset period, the camera switches itself off to save energy. Restart the camera.

The shot has not been saved.
- The camera was switched off before the shot could be saved.

Shots on other memory cards are not displayed.
- The shots on memory cards of other cameras are displayed if the other camera also uses the DCF memory system.

The shots cannot be transferred to the PC via the USB cable.
- The camera is not switched on.
When the camera is connected to the computer for the first time, no new hardware is found
The USB connection of the computer is deactivated in the BIOS.
- Enable the port in the computer’s BIOS. Refer to the PC manual if necessary.

Maintenance and care
- Clean the housing, lens and the display as follows:
- Clean the camera housing using a soft, dry cloth.
- Do not use thinners or cleaning solutions that contain oil. This could damage the camera.
- Use a lens brush to remove dust before cleaning the lens or the display. Then wipe them with a soft cloth. Do not apply pressure to the display and do not use hard objects to clean it.
- Do not use strong cleaning solutions for the housing and the lens (contact your dealer if dirt cannot be removed).
Disposal

Packaging
Your camera is packaged to protect it from transportation damage. Packaging is raw material and can be reused or added to the recycling system.

Appliance
At the end of its service life, the device should not be disposed of with the household rubbish. Dispose of it in an environmentally friendly manner at a local collection point for old appliances. Ask your local authority for the location of the collection points.

Batteries
Do not dispose of used batteries in household rubbish. They must be deposited at a collection point for used batteries.
Technical specifications

Pixels: 5.0 megapixels CMOS
Aperture: F = 3.2
Focal distance: f = 5.1
Digital Zoom: 8 times
LCD monitor: 2.5" LC display
File formats: JPEG (EXIF 2.2), DPOF, AVI, WAV
Max. resolution: Camera mode: 2592 x 1944
Video mode: 640 x 480 pixels
Picture memory: Internal: 32 MB flash memory for the operating software
Residual free memory of approx. 15 MB
External: SD/SDHC card
Port: Mini USB 2.0 connection
Dimensions: 9.4 x 6.4 x 2.4cm (W x H x D)

Subject to technical and optical changes as well as printing errors.
United Kingdom

Restricted Warranty

I. General Conditions of Warranty

1. General

   This warranty covers defects relating to workmanship and manufacture in MEDION products. The period during which this warranty is valid and during which claims against the warranty can be made to MEDION must be in accordance with the following terms in order to be considered eligible:

   • Is effective from the date of purchase or receipt of the MEDION product from an authorised seller of MEDION products; and
   • Expires at the end of the warranty period specified on the warranty card provided with the product.

   For the warranty to be valid, you must:

   • Provide suitable evidence of purchase, a copy of the original purchase receipt from an authorised seller of MEDION products is preferred; or
   • Register your product within 28 days of purchase either online at www.MEDION.co.uk or by completing and returning the pre-paid registration card included with the product.

   Please keep the original purchase receipt and the warranty card in a safe place. MEDION and its authorised sellers reserve the right to refuse a repair under warranty or a warranty confirmation if a proof of purchase [or registration of purchase] cannot be established, or has not been submitted.
When it is necessary to return your product for repair please ensure that your product is suitably packed for transportation.

Provided that your product is still within warranty (please check the duration of the warranty period as described above) and is eligible for repair or replacement under the terms of the warranty, to return your product, please telephone MEDION on the service hotline number. You will be sent a pre-paid transportation box suitable for returning your product to MEDION. PLEASE MAKE SURE THAT YOU HAVE A BACKUP COPY OF ALL DATA ON THE PRODUCT BEFORE RETURNING THE PRODUCT TO MEDION. MEDION shall bear the costs of postage and packaging for returning the product and the transportation risk. However, if following examination of the defective product in question, MEDION, in its reasonable opinion, considers that the defect has been caused by:

- your operating and/or using the product other than as instructed in the accompanying documentation;
- damage caused in transit as a result of your negligence in packaging of the product; and/or
- otherwise than in accordance with the terms of this warranty;

This warranty shall be void and you may be required by MEDION to reimburse MEDION for the reasonable costs of postage and packaging before MEDION will return the product to you. If so and you would still like MEDION to repair or replace the product, MEDION may do so but you will be charged MEDION’s standard rates for repair and replacement for this service.

Before returning the product, please contact MEDION via the service hotline or via the internet (www.MEDION.co.uk). You will receive a reference number (RMA No.) on the warranty card. Please mark the outside of your package to ensure that this reference number is clearly visible. Please submit a letter containing as much detailed information as possible and, a full description of the defect or fault.

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This should include:
- a description of the fault;
- when it occurred, how long it has been evident and how frequently it occurs;
- any errors message(s) displayed when using the product;
- a description of the circumstance(s) and conditions in which the fault occurs; and
- whether it is an intermittent or persistent fault;

This will greatly assist MEDION in identifying the defect, when submitted together with the defective product.

Unless otherwise instructed by a MEDION representative in all cases, the product must be returned complete with all parts which were included with the original product. Incomplete contents of the returned package may lead to a delay in the repair or replacement. MEDION does not accept any liability for any additionally submitted material(s) which were not supplied with the original MEDION product.

This warranty does not affect your statutory rights in any way and is subject to the applicable legal statutes of the country where the product was sold to you by an authorised MEDION seller.

2. Scope

Subject to any exclusions set out within this warranty, where there is a defect in your MEDION product covered by this warranty, MEDION will repair or replace the MEDION product. The decision whether to repair or replace the product will be made solely at the discretion of MEDION. MEDION may, in its own discretion, replace the product returned for repair under warranty with a replacement product that is either identical or, in the event that such product(s) are no longer available, a product of equal or superior specification and quality.
No warranty is given for batteries or rechargeable batteries or for consumable materials subject to wear and tear, i.e. for parts which have to be replaced periodically during the normal use of the product, such as video-projector lamp.

Non critical failures that fall within industry specified tolerances e.g. noise, LCD pixels are not covered by this warranty. Please consult the appropriate section in your user or instruction manual for this product for exact specifications and tolerances.

To the extent which is permitted under law, MEDION will accept no liability for burnt-in images on plasma or LCD products as a result of normal wear and tear during the operation of the product. Please refer to your user or instruction manual for this product for detailed operating instructions for your plasma or LCD product.

The warranty does not cover errors relating to the playback of data media in an incompatible format or created with unsuitable software.

If it is found during repair or assessment that the defect concerned is not covered under warranty, MEDION reserves the right to invoice you for all reasonable costs incurred by MEDION. These costs will be in relation to the return of the product, including reasonable administration costs, plus reasonable costs for materials used and labour provided when repairing or replacing the product. This is subject to MEDION providing you with an estimate for carrying out such work prior to costs being incurred and that you have accepted the estimate.

You are entitled to seek independent advice or consultation relating to your product or any of MEDION’s findings. MEDION will not be liable for any costs incurred to you when doing so.

3. Exclusion from warranty

To the extent permitted by law, this warranty shall be void in the event that defects or loss caused by:
a. failure and damage resulting from the operation of the product in an environment other than that recommended in the accompanying user or instruction manual (e.g. in direct sunlight or in a damp room);

b. accidental damage;

c. use other than in accordance with the accompanying user or instruction manual;

d. modifications, conversions, expansions, maintenance and/or repairs made to the MEDION product by unauthorised repairers or use of unauthorised third party parts;

e. negligence;

f. virus attack or software errors; or

g. improper transportation or packaging during return of the product.

This warranty will also be considered void if labels or serial numbers of the product or of a component of the product are modified or made illegible.

To the extent permitted by law, MEDION shall; only be responsible for losses which are a reasonably foreseeable consequence of the relevant defect in the product; MEDION will not be responsible for any costs incurred in relation to software configuration; economic loss; loss of opportunity; loss of income; or loss of data or software arising out of its repair or replacement of a MEDION product under this warranty

4. Service Hotline

Before returning the product to MEDION you must contact us using the service hotline or via the internet (www.MEDION.co.uk).

You will receive further instructions for making your claim under warranty when you call.

The service hotline is available on 362 days in the year, including Sundays and bank holidays but excluding Christmas day, New
Years Day and Easter Day. The service hotline is subject to [national rate] telephone call charges. These charges are subject to change. The price of your call will be stated at the beginning of the call.

II. Special warranty conditions for MEDION PC, notebook, pocket PC (PDA) and navigation devices (PNA)

The following terms apply to MEDION PC, notebook, desktop, pocket PC and laptop products and optional items included with such products. If one of these items has a fault, you also have a warranty claim for its repair or replacement, from MEDION. The warranty covers the costs of materials and labour for repairing or replacing the defective MEDION product or the optional item in question.

Hardware connected to your product that was not produced or marketed by MEDION can invalidate the warranty if MEDION can reasonably demonstrate that damage to the MEDION product or of the optional item included with the delivery was caused by such hardware. You are entitled to seek independent advice or consultation relating to your product or any of MEDION’s findings. MEDION will not be liable for any costs incurred to you when doing so.

This warranty is restricted in relation to any pre-installed operating system as well as to application programme software that is included with the MEDION product in question. This warranty is restricted as follows:

For pre-installed operating system as well as to application programme software included in the MEDION product, MEDION only guarantees the data media (e.g. the diskettes and CD-ROMs) upon which this software is delivered and warrants that such data media shall be free from material and processing defects for a period of 90 days from the date of purchase of the MEDION
product from an authorised seller of MEDION. MEDION will replace defective data media free of charge.

Any claims in respect of defective pre-installed operating system as well as to application programme software are hereby expressly excluded and you should contact the relevant licensor or copyright owner of the defective software in question. MEDION does not guarantee that any software supplied with MEDION products will function without interruption, will be free from errors or that it will fulfil your requirements. MEDION does not guarantee the 100% accuracy of the maps provided with the Navigation device.

It may be necessary to delete all data in the product in order to repair the MEDION product. PLEASE MAKE SURE THAT YOU HAVE A BACKUP COPY OF ALL DATA ON THE PRODUCT BEFORE RETURNING THE PRODUCT TO MEDION. To the extent permitted by law, MEDION excludes all liability for loss of data and MEDION recommends in all cases that you back up all data on your MEDION product before returning the product to MEDION.

III. Special warranty conditions for repair on site or replacement on site

If a claim for repair or replacement on site is included within the terms of the warranty card provided with the product, the special warranty conditions for repair or replacement of your MEDION product on site apply.

The following provisions must be made by you for carrying out repairs or replacements on site:

- MEDION or its authorised personnel must have unrestricted, safe and immediate access to the products.
- Telecommunication facilities required by MEDION or its authorised personnel for proper execution of your order, for testing and diagnostic purposes and for remedying faults are provided by you at your own expense.
You are responsible yourself for restoring the application software after the repair services have been carried out by MEDION or its authorised personnel.

You must take all other necessary steps to enable MEDION or its authorised personnel to carry out your order properly.

You are responsible yourself for connecting and configuring any existing external peripheral products after MEDION or its authorised personnel have carried out their repairs.

The free cancellation period for repairs or replacements on site is 24 hours, thereafter our reasonable costs resulting from late or missing cancellation shall be invoiced at your expense.