

USER MANUAL

MINIUP



NILOX
SPORT TECHNOLOGY

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PREFACE

Thank you for choosing MINI UP, the high-definition digital camera. Easy to use, compact and with an integrated design.

With its high-definition and dynamic image capturing technology it can record your daily activities at anytime and anywhere, so you can remember your experiences and share them with your family and friends.

This manual will clearly explain you how to use and install the video camera, providing detailed information as well as technical specifications.

Please read this Manual carefully before the use and keep it for long-term reference.

PRECAUTIONS

Please observe the following points when using MINI UP:

- Do not drop, hit or shake the camera.
- Keep the device away from any electromagnetic source, such as magnets or electro motors, or from any other object emitting strong radio waves, like antennas. Strong magnetic fields may cause failures to the camera or damages to image and audio.
- Do not expose the camera to high temperatures or to sunlight directly.
- Keep the memory card away from electromagnetic sources, such as TVs, speakers or magnets. Do not put it in any place with potential static, as the data stored may be lost.
- If the device overheats, smokes or smells in charging, please disconnect the power supply immediately.
- Keep the camera out of the reach of children in charging, as the power cord may cause accidental suffocation or electric shock.
- Keep the camera in a cool, dry and dust-free place.
- Use a lens and screen guard to prevent scratching or permanent damages.
- Use a cloth and specific products to clean the lens and screen; do not use any organic solvent.

DESCRIPTION

The MINI UP camera is able to perform the following functions:

- | High definition video recording and photos.
- | Real-time image display.
- | Recorded Video recall function.
- | Photo files recall function.
- | 2.0 USB High-Speed data transfer.
- | USB cable for battery charging.
- | All accessories are easy to use to facilitate shooting in any place and at any time.

Supplemented by its accessories, this product is the result of multiple patented technologies and can be used for recording anything, anytime, anywhere.

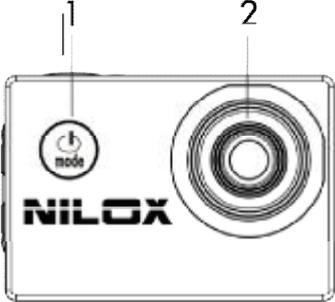
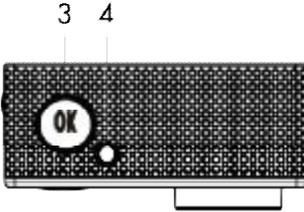
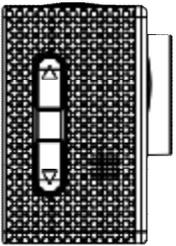
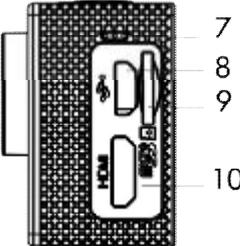
TECHNICAL SPECIFICATIONS

MINI UP camera has the following specifications:

- Image sensor: 5.0 mega-pixel CMOS
- Functions: Video recording, photos, preview
- Screen: LCD 1.5"
- Photo resolution: 5M, 3M, 2M, 1M
- Video resolution: (1920x1080 15-25fps) (1280x720 30fps)
- External memory: TF card (Maximum 32GB)
- File format: JPEG, H.264
- USB Port: USB 2.0
- Battery: Internal 3.7V rechargeable lithium battery
- Menu: English, Italian, German, French, Spanish, Portuguese, Greek, Czech, Slovak, Hebrew
- Supported operating systems Windows XP/Vista/7/8, Mac 10.2
- Dimensions: 59x41x24 mm
- Weight (without case) 59 gr.

STRUCTURE

MINI UP STRUCTURE

	<p>1) Switch: cam on and off; lightly press to cyclically switch the cam between recording, display and setup modes. 2) Lens unit</p>		<p>3) Video recording start and stop key. 4) Status LED: lit during video recording.</p>
<p>5) Scroll menu up key. 6) Scroll menu down key and photo shutter key.</p>		<p>7) Microphone 8) microSD card slot 9) One-way USB interface to charge the cam and copy photos and videos from MINI UP to PC. 10) Hdmi output</p>	

STATUS LED

The status led (4) turns on:

- When the camera is on.
- When the camera is charging.

START UP

CHARGE

Turn on the video camera and check battery status; if low, charge it. Either a computer USB port or power adapter (not included) can be used to charge it. Generally, it takes 2-4 hours to complete the charge cycle.

INSERTING AND REMOVING THE MEMORY CARD

The MINI UP video camera supports TF memory cards with capacity up to 32 GB. Any type of Micro SD card can be used but we recommend high speed cards to optimise performance.

- Installation

1. Make sure the video camera is off.
2. Insert the card in its slot, being careful that it is inserted in the correct direction until a click is heard.

- Removal.

1. Turn off the video camera.
2. Press the centre of the back of the card and release it; then remove it.

FUNCTION KEYS AND OPERATING MODES

The camera has 3 operating modes:

- Video recording mode.
- Photo mode.
- Video and photo view mode.

Repeatedly press the key  to:
- turn on the camera.

When on, MINI-UP is in video mode.

The  symbol will appear at the top left. Pressing the  key again takes you to photo mode , while pressing  will take you to playback or display mode .

The  key starts and stops video recording. If pressed for more than 3 seconds, the configuration menu will open. The same button is also used within the configuration menu to select and confirm the heading you want.



The  keys activate the digital zoom and let you move within the various menus.

PARAMETERS SETTING

To set the video camera parameters, switch the cam on and keep the  key pressed for a few seconds.

If the Mini-up is in video mode, you can set video and general parameters while if it is in photo mode, photo and general parameters will be displayed.

To switch from video or photo to general parameters, press the down arrow .

When you have found the parameter you want to set, confirm with .

VIDEO PARAMETERS SETTING

Using the  key to move within video settings, the  icon will appear at the top left.

Keeping the  key pressed for a few seconds, will let you access the video and general parameters.

VIDEO RESOLUTION

It allows to select the desired resolution for the video recording.



1. Move within the menu using keys  to find item:

Resolution

2. Press  to confirm

3. Choose the desired item and press  key to confirm

The choices for the video resolution are the following:

- 1920x1080
- 1280x720

WHITE BALANCE

Lets you select the lighting correction mode for the surrounding environment.



1. Move within the menu using keys  to find item:

White Bal.

2. Press  to confirm

3. Choose the desired item and press  key to confirm

The choices are as follows:

- Auto, Daylight, Indoors, Tungsten (traditional lights), Fluorescent (neon)

EXPOSURE

Lets you select the lighting correction mode for the surrounding environment.



1. Move within the menu using keys  to find item:

Exposure

2. Press  to confirm

3. Choose the desired item and press  key to confirm

The possible choices are as follows:

- +3,+2,+1,0,-1,-2,-3

EFFECT

Lets you add special effects and filters to your videos.



1. Move within the menu using keys  to find item:

Effect

2. Press  to confirm

3. Choose the desired item and press  key to confirm

The effects you can add are as follows:

- Normal, Black/white, Sepia, Red, Green, Blue, Fade, Warm, Cold, Overlap, Off, On

PRINT DATE

Lets you print the date and time on the video or photo.



1. Move within the menu using keys  to find item:

Resolution

2. Press  to confirm

3. Choose the desired item and press  key to confirm

The choices for the video resolution are the following:

- (Off/On)

PHOTO PARAMETER SETTINGS

Using the  key to move within photo settings, the  icon will appear at the top left.

Keeping the  key pressed for a few seconds, will let you access the photo and general parameters.

RESOLUTION

It allows to select the desired resolution for the video recording.



1. Move within the menu using keys  to find item:

Resolution

2. Press  to confirm

3. Choose the desired item and press  key to confirm

The choices for the video resolution are the following:

- 2592x1944 (5M)
- 20148x1536 (3M)
- 1600x1200 (2M)
- 1280x720 (1M)

SELF TIMER

Lets you set a delay for taking a photo.



1. Move within the menu using keys  to find item:

Self timer

2. Press  to confirm

3. Choose the desired item and press  key to confirm

The choices are as follows:

- Off, 2 seconds, 5 seconds, 10 seconds.

MULTIPLE SHOT

If enabled, lets you take 3 photos in sequence with just one shot.



1. Move within the menu using keys  to find item:

Multiple shot

2. Press  to confirm

3. Choose the desired item and press  key to confirm
The choices are as follows:
- (Off/On)

WHITE BALANCE

Lets you select the lighting correction mode for the surrounding environment.



1. Move within the menu using keys  to find item:
White Bal.

2. Press  to confirm

3. Choose the desired item and press  key to confirm
The choices as are follows:

- Auto, Daylight, Indoors, Tungsten (traditional lights), Fluorescent (neon)

EXPOSURE

Lets you correct the exposure of a photo when there are particular lighting conditions.



1. Move within the menu using keys  to find item:
Exposure

2. Press  to confirm

3. Choose the desired item and press  key to confirm
The possible choices are as follows:

- +3,+2,+1,0,-1,-2,-3

QUALITY

Lets you set photo quality.



1. Move within the menu using keys  to find item:
Quality

2. Press  to confirm

3. Choose the desired item and press  key to confirm
The possible choices are as follows:

- Super Fine, Fine, Normal

SHARPNESS

Lets you set the level of contrast.



1. Move within the menu using keys  to find item:

Sharpness

2. Press  to confirm

3. Choose the desired item and press  key to confirm

The possible choices are as follows:

- Sharp, Normal, Blurred

EFFECT

Lets you add special effects and filters to your photos.



1. Move within the menu using keys  to find item:

Effect

2. Press  to confirm

3. Choose the desired item and press  key to confirm

The effects you can add are as follows:

- Normal, Black/white, Sepia, Red, Green, Blue, Fade, Warm, Cold, Overlap, Off, On

PRINT DATE

Lets you add the date a photo was taken.



1. Move within the menu using keys  to find item:

Print date

2. Press  to confirm

3. Choose the desired item and press  key to confirm

The effects you can add are as follows:

- (Off/On)

SETUP PARAMETER SETTINGS

Use the  key to move within photo or video settings.

Keeping the  key pressed for a few seconds, will let you access photo, video and general parameter settings.

Pressing the arrow up or down  takes you from the photo or video menu to the cam general settings menu .

LANGUAGE

Lets you select the cam user language.

1. Move within the menu using keys  to find item:
2. Press  to confirm
3. Choose the desired item and press  key to confirm

Possible choices are:

- English, Italian, German, French, Spanish, Portuguese, Greek, Czech, Slovak, Hebrew.

The cam is set to English by default.

DATE AND TIME

Lets you set the MINI UP date and time.

This date and time will then be printed on the video, if the relevant parameter (enter data) is set.

1. Move within the menu using keys  to find item:

Set date

2. Press  to confirm

3. Use the  keys to change the parameters then confirm with  .
When you have reached the last parameter, the cam will exit the menu heading

AUTOMATIC SHUTDOWN

Lets you set the time the camera will shut down automatically when not in use.



1. Move within the menu using keys  to find item:

Automatic shutdown

2. Press  to confirm

3. Choose the desired item and press  key to confirm

Possible choices are:

- Off (inactive), 1 minute, 3 minutes, 5 minutes, 10 minutes.

VIDEO FREQUENCY

Lets you set the external monitor and TV frequency connected to the cam.



1. Move within the menu using keys  to find item:

Frequency

2. Press  to confirm

3. Choose the desired item and press  key to confirm

Possible choices are:

- 50 Hz, 60 Hz

SOUND

Enables beeps when you press cam keys.



1. Move within the menu using keys  to find item:

Sound

2. Press  to confirm

3. Choose the desired item and press  key to confirm

Possible choices are:

- (Off/On)

FORMAT

Lets you format the microSD card inserted in the slot.



1. Move within the menu using keys  to find item:

Format

2. Press  to confirm

3. Choose the desired item and press  key to confirm

Possible choices are:

- Yes, No

WARNING FORMATTING THE MICROSD DELETES ALL SAVED DATA.

RESTORE DATA

Restores all cam settings to default, like the first time it was turned on.



1. Move within the menu using keys  to find item:

Default setting

2. Press  to confirm

3. Choose the desired item and press  key to confirm

Possible choices are:

- Yes, No

WARNING RESET RETURNS THE MENU TO ENGLISH.

VIEWING PHOTOS AND VIDEOS

The MINI UP lets you view photos and videos recorded.

1.  key, press the key until symbol  is displayed at the top left
The number of saved files appears at the top right.



Use keys  to scroll photos and videos.

When you show a photo, JPG will appear at the bottom left.

When you show a video AVI will appear, pressing  will play the video.

COMPUTER CONNECTION

The MINI UP camera has 1 USB micro port.

Use this port to connect the camera to a computer to charge or download photos and videos from the memory card.



MSDC appears on the screen when connected to the computer.

The internal MINI UP card is displayed as an external disk drive.

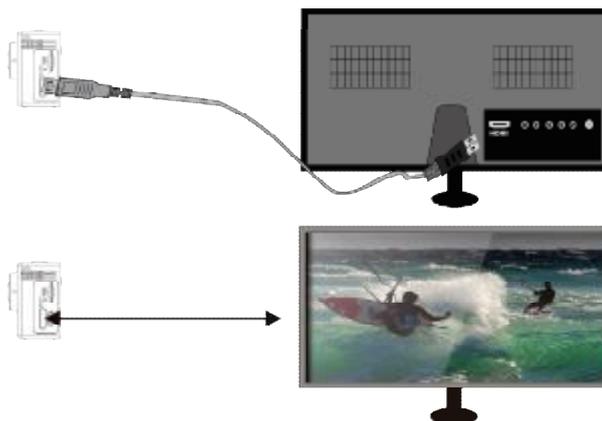
NOTE: the USB outlet is unidirectional.

You can download photos and videos from cam to computer but not the other way round.

CONNECTION WITH A VIDEO OR TELEVISION

The MINI UP camera has 1 HDMI port.

You can use the HDMI port to connect the camera to a television or video using a suitable cable (not provided).



The signals from the cam are automatically displayed and show your photos and videos.

PRECAUTIONS

PRECAUTIONS FOR THE CAMERA CASE

The waterproof case is a precision component. Please use the following precautions:

- Do not randomly dismount and mount the O-ring of the case, keys and lens cover, otherwise the waterproof performance deteriorates.
- Do not put the case in a place where it is exposed to corrosive acid or alkaline gases and keep it away from chemical or corrosive substances.
- To prevent deformation, do not store the product for long periods in a place where temperatures are high (over 50°C) or low (-10°C).
- Do not expose to direct sunlight for long periods to prevent deterioration of waterproofing.
- Before every use, ensure that the O-ring is intact, that there are no foreign bodies on the seal, that the case is properly sealed and that the seal is watertight.
- After use in salt water, immediately rinse the case under running water.
- Use a dry cloth to dry the surface and store the device in a dry and ventilated place.

PRECAUTIONS FOR THE 3M DUAL-SIDE FOAM TAPE

When using the 3M dual-side foam tape, adhere to the following precautions:

- Before fixing the 3M dual-side foam tape, select a proper surface to ensure proper contact between the foam tape and the surface.
- Before using the 3M dual-side foam tape, clean the surface and heat the foam tape, using for instance an electric blower, especially in a place where temperature is lower than 0°C.

Before using MINI UP video camera, pay attention to the following notice information:

- During continuous use, the body temperature of MINI UP video camera increases. The situation is normal. The camera surface may be hot after prolonged use.
- If the video camera is not used for a long time, remove and keep the battery properly and recharge it every three months to ensure the battery performance.
- Shooting view angles are slightly different in different working modes of the video camera.
- If a video file is large in size, a computer or other professional players are preferred for a smooth playback.
- Cyclic recording and frequent recording/deleting operations may leave data fragments in the SD card, causing failure to file recording or saving. To solve this problem, just backup the data on an external storage and format the SD card.

INCLUDED IN THE PACK

The articles included in the pack are the following:

1 MINI UP complete with underwater case		1 hook case open	
1 hook bracket		1 sticker	
1 bicycle bracket		1 90 degree bracket	
1 screw bracket		4 straps	
2 spare stickers		1 USB cable	
1 battery			

WARRANTY AND LEGAL NOTES

MINI UP is equipped with a rechargeable lithium ion polymer battery. To reduce the risk of fire, please avoid tampering, falls, contact with water or fire.

To avoid personal injury, electric shock, fire or damage to various parts of the product, please follow the following instructions: **Do not immerse the product without its waterproof case into water**

Personal Safety.

Do not disassemble, repair, alter or modify any part of the O-ring of the product. Do not touch the product with metallic objects or chemicals.

Any failure to comply with what above can cause risks to the person and other people.

In case of malfunctioning of the product, please contact the technical service or a qualified supplier.

Technical support.

This product is warranted in accordance with current legislation and therefore please contact your dealer in case of need of technical assistance and / or warranty service.

Instructions for the environment



This product may contain substances that can be harmful to the environment and to the human health, if not disposed of properly. We therefore provide you the following information in order to prevent the release of such substances and to improve the use of natural resources. The electrical and electronic products should not be disposed of in the normal household waste, but should be properly collected in order to be correctly treated. The symbol of the crossed bin shown on the product and in this page reminds the need to properly dispose of the product at the end of its life. In this way you can avoid that a non-specific treatment of the substances contained in these products, or an improper use of parts of them can lead to harmful consequences for the environment and human health. Moreover, you can contribute to the recovery, recycling and reuse of many of the materials composing these products. That is why the manufacturers and distributors of electrical and electronic systems organize the proper collection and disposal of the equipment themselves. At the end of the product life please contact your dealer for instructions regarding the collection. When purchasing this product your distributor will inform you of the possibility to replace your old device with a new one, on condition that the type of product and its functions are the same or, if the dimensions do not exceed 25 cm, AEE can be returned without any equivalent product purchase obligation. Any disposal of the product different from what described above will be liable to the penalties foreseen by the laws in force in the country where the product is disposed of. Moreover we suggest to adopt additional measures favourable to the environment: recycling the inner and outer packaging and properly dispose of used batteries (if any). With your help we can reduce the amount of natural resources used for the realization of electrical and electronic equipment, minimizing the use of landfills for the disposal of products and improving the quality of life by preventing to release into the environment potentially dangerous substances.

Installing and replacing batteries



The product contains a battery that could be replaced during the lifetime of the product itself.

At the end of life of the batteries contained in the product, they must be disposed of separately. Throw them in the appropriate containers for the disposal of batteries.

The collection and recycling of batteries contribute to the protection of the environment and to the preservation of material resources, allowing the recovery of valuable materials too.

Declaration of Conformity.

Product complies with 1999/5/CE-2011/65/CE Directive. The declaration in full version and the technical documentations are available at our headquarters - Hellatron S.p.A Via E. Mattei 10, 20010 Pogliano M.se (MI)

Keep the packaging for future references.

Warranty information.

- One year, if invoiced to a company or professional (with VAT number).
- Two years, if fiscally described as sold to a private citizen.
- This warranty is referred to in the event a conformity defect occurs, referred to product features.
- Product support and warranty. Visit www.nilox.com to learn more.

Warranty restrictions: this warranty does not apply in the following cases:

- No proof of purchase (invoice or receipt).
- Tampering, forcing and damages on the hardware and screen, created for any reason.
- Other defects due to: inappropriate use, unauthorised hardware/software changes, operations or storage beyond technical product specifications; incorrect maintenance; defects due to the use of software other than that supplied and all those elements (hardware and software) not designed to be used with the product.

The above refers to legislative decree dated February 2, 2002. Implementing the 1999/44/CE Directive.



Brief Declaration of Conformity

This device has been tested and found to comply with Directive 2011/65/EC and 2004/108

The declaration of conformity is available in our offices and on-line at: <ftp://ftp.hellatron.it> (username: declaration@hellatron pwd:hellatron).



CE () logo and/or WEEE () logo, in some devices, isn't fully compliant with minimum dimensions requirement to European Directive due to limited sticker area.

Keep the packaging for future references.