

The logo for EVO4K WI-FI CINEMA is centered on a black rectangular background. The text "EVO4K" is written in a large, bold, gold-colored sans-serif font. Below it, the words "WI-FI CINEMA" are written in a smaller, white, all-caps sans-serif font.

EVO4K
WI-FI CINEMA

USER MANUAL

SUMMARY

PREFACE	5
PRECAUTIONS.....	5
DESCRIPTION.....	5
TECHNICAL SPECIFICATIONS	7
STRUCTURE	8
LCD DISPLAY	9
OPERATING INSTRUCTIONS.....	10
Charge	10
Battery installation	10
TFT display installation.....	10
Inserting and removing the memory card	11
FRONT SELECTORS AND SETTINGS MENU	12
Exposure mode selector	12
G-SENSOR selector	12
OPERATIONS WITHOUT TFT SCREEN	13
LEGENDA.....	13
LCD Symbols.....	13
Touch tft symbols	14
Access to menus.....	14
VIDEO PARAMETERS SETTING	16
Using mode setting	16
Video resolution setting.....	17
View angle setting.....	17
Bitrate	17
Seamless	17
180° rotation.....	18
Display date/time in videos.....	18
CAMERA SETTING PARAMETERS.....	19
Acquisition mode	19
Photo resolution setting.....	19
Display date/time on photos.....	19
SYSTEM PARAMETERS SETTING	20

Key tone (alarm buzzer).....	20
Status indicator	20
Icon display (subtitles on).....	20
Display standby.....	20
TV output.....	21
Language.....	21
Date/time setting.....	21
Format	21
Recover factory setting.....	21
STARTING STEPS.....	22
USING THE VIDEO CAMERA	22
Record a video, record a video without audio, record audio only	22
Recording a video in time lapse mode	23
Taking a picture	23
Photo shooting mode.....	23
PLAYING A FILE (PLAYBACK)	23
Playing a video or photo file	24
Deleting, protecting and automatically playing a file	25
Lock /Unlock file	25
OUTPUT INTERFACES	26
Hdmi video out.....	26
USB output	27
WI-FI CONNECTION	28
Connecting the phone and video camera.....	28
iOS and Android apps and functions	28
Video recording.....	29
Photo	29
Settings	29
File preview mode (Playback).....	31
Change Wi-Fi connection name and password.....	32
Change name and connection.....	32
Change password.....	32
TECHNICAL SPECIFICATIONS	33
PRECAUTIONS.....	34

Precautions for the camera case.....	34
Precautions for the 3M dual-side foam tape.....	34
INCLUDED IN THE PACK	34
WARRANTY AND LEGAL NOTES	36

PREFACE

Thank you for purchasing an EVO 4K series high definition digital camera(HD), with the following features:

- ultra small and compact overall dimensions
- user-friendly interfaces
- easy to use
- hands-free shooting to easily shoot real scenes anywhere at any time
- superior recording performance thanks to the dynamic HD shooting technology for an exciting video recording experience.

This manual describes how to install and use the EVO 4K video camera. It also provides information on use, operations, installation precautions and technical specifications for the EVO 4K video camera. Carefully read and understand this manual before using the EVO 4K video camera and keep it for future use.

Please read it carefully before use.

PRECAUTIONS

Please observe the following points when using EVO 4K:

- 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.

DESCRIPTION

EVO 4K is a compact, high-level and digital camera for professional use, able to perform the following functions:

- High-definition (HD) digital photos.
- Data-voice storage function.
- Real-time image display.
- Recorded video recall function.
- Photo files recall function.
- Time display.
- Smartphone applications for Wi-Fi control.
- 10X digital zoom.
- External microphone connection for special use.

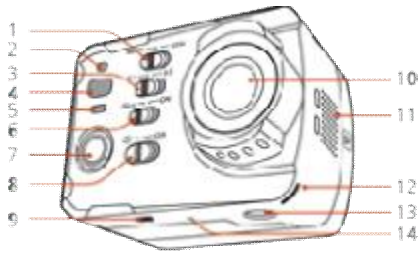
- One-way USB 2.0 high speed data transmission from the cam to PC.
 - USB cable for battery charging.
 - All accessories are easy to use to facilitate shooting in any place and at any time.
- Supplemented by its accessories, this product is the result of multiple patented technologies and can be used for recording anything, anytime, anywhere.**

TECHNICAL SPECIFICATIONS

EVO 4K camera has the following specifications:

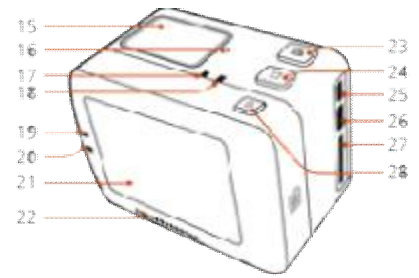
- Supplied with a special purpose HD lens that supports 4K, 2.7K, 1080P, 960P, and 720P HD video recording.
- Takes 16M pictures in 4608×3456 resolution.
- Wi-Fi function and other App functions.
- 10X digital zoom.
- An Exmor R CMOS new generation image sensor with doubled photosensitivity. Perfectly displays image details even in poorly lit rooms.
- The 2-inch separable touch screen provides simple and easy system use.
- Takes shots in multiple mode like, for example, Single shot, Fast shot, Continuous shot, Timed shot.
- Equipped with an exclusive fast shot function for up to 10 shots a second.
- Equipped with an independent voice recording function for prolonged voice recordings.
- Equipped with 180° photo rotation function.
- Can be connected to a remote screen to view recordings and videos.
- Equipped with an HDMI and AV output interface for easy connection to HD monitor or TV to view video files.
- Compact and fashionable design.
- Records video programs in MP4 format for easy PC reproduction and uploading to video-sharing websites.
- High colour fidelity for clearer and more natural video images.
- Supports file reproduction, cancellation and other functions on local video camera.
- Built-in microphone that adopts the dual-Mic design for high quality stereo recording effects.
- Status indicator with all-around emphasis.
- The built-in G-Sensor is able to act as a car black box.
- Supports fast forwarding, fast rewind and 1/4X, 1/2X, 2X, 4X, 8X and 16X reproduction.
- Equipped with a general 1/4-inch interface for easy accessory add-on.
- Accessories have reinforced structures for higher reliability and stability.
- High-capacity built-in chargeable lithium ion battery extends video recording time.
- Equipped with shock absorption functions to resist slight falls or impacts.
- Equipped with IP68 waterproof case, resistant to 100-metre diving depth, and two types of back-front designs.
- Equipped with automatic standby for energy savings and supports automatic audio and video data saving.

STRUCTURE



- 1. Wi-Fi key
- 2. Wi-Fi status led
- 3. Exposure meter key
- 4. Recording indicator
- 5. Charge indicator
- 6. G-Sensor
- 7. Video recording key
- 8. Power Switch
- 9. Battery lock release
- 10. Lens
- 11. Cooling vent
- 12. Recording indicators
- 13. Threaded interface
- 14. Microphone

- 15 LCD screen
- 16 Microphone
- 17 Recording led
- 18 Charge led
- 19 Recording led
- 20 Power led
- 21 TOUCH screen
- 22 Speaker
- 23 Shutter key
- 24 Stop Key
- 25 Mini Hdmi
- 26 USB (read only)
- 27 TF microSD slot
- 28 Touch screen switch

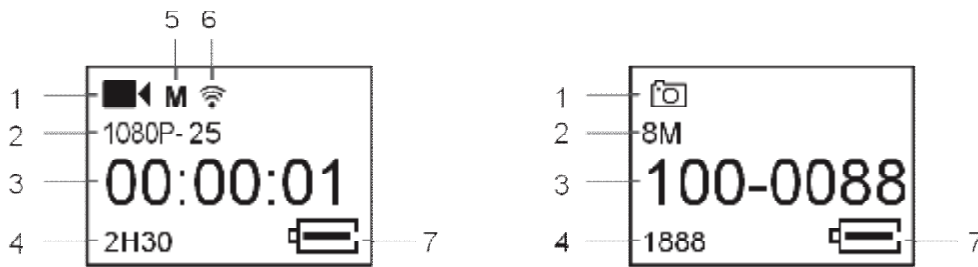






STATUS LED MEANING

	LEDs	Red Led	Green Led	Blue Led
Status				
Power		Single flash then on		
Video recording			Slow flashing	
Audio recording			Slow flashing	
Shoot photo		On	Single flash	
Memory full		On	On	
Charging (if off)		Slow flashing		
Charged (if off)		On		
Low battery		5 sec. fast flashing, then off		
Data transmission		On		Slow flashing
WI-FI on		On		Slow flashing

LCD DISPLAY

The symbol that appears on the LCD display is highly intuitive.

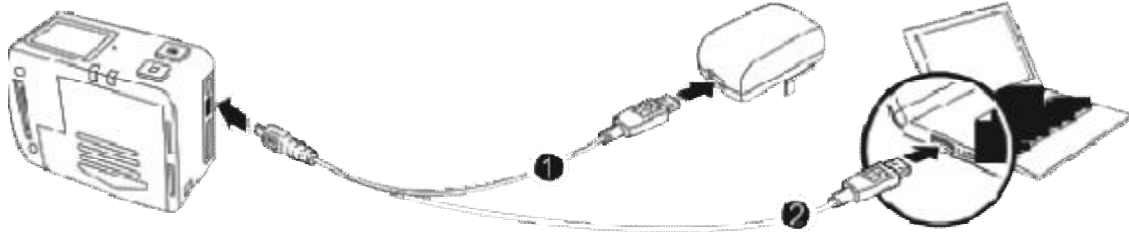


1		Video recording mode
1		Photo shooting mode
2	1080P-25	Video resolution
2	8M	Photo resolution
3	00:00:01	Recording timer
3	100-0088	Number of recorded files
4	2H30	Remaining recording time
4	1888	Remaining shots
5	M	View angle
6		Wi-Fi
7		Battery level

OPERATING INSTRUCTIONS

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.

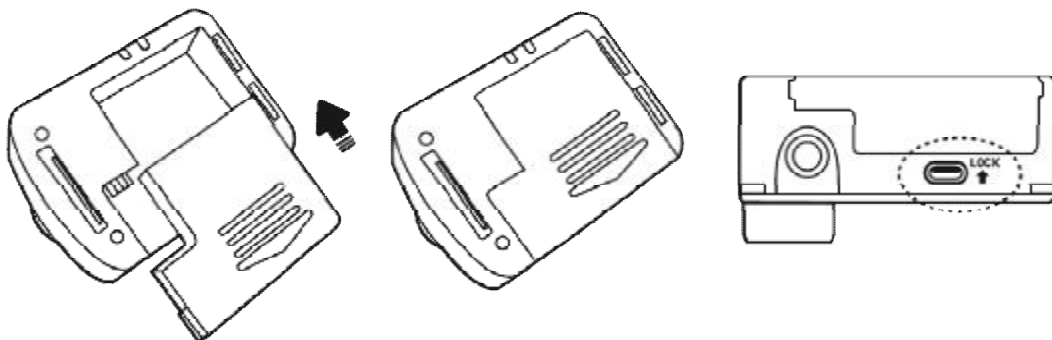


When EVO 4K is charged in off status, the red status led will flash slowly. When finished charging, the red led will remain on.

The charge process inhibits video camera operations.

BATTERY INSTALLATION

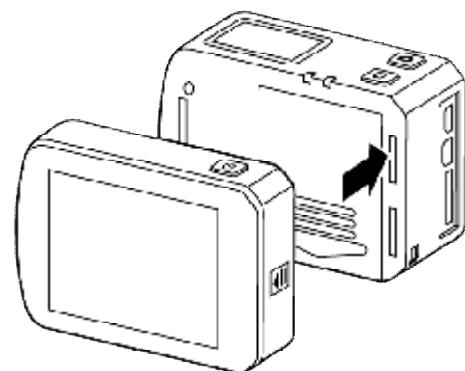
Before inserting the battery, make sure the lock/release button is open; fully insert the battery in the compartment and close using the lock/release button.



TFT DISPLAY INSTALLATION

EVO 4K comes with a 2" removable TFT touch screen for camera installation and to view saved photos and videos.

Install the display as illustrated.



INSERTING AND REMOVING THE MEMORY CARD

The EVO 4K video camera supports TF memory cards with capacity up to 64 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.

FRONT SELECTORS AND SETTINGS MENU

Some selectors are located on the front of the video camera.

EXPOSURE MODE SELECTOR

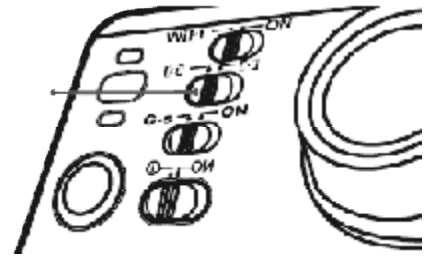
According to need and lighting conditions, the video camera exposure meter can be set to SPOT mode.

This mode is used to adjust the amount of light according to a well-defined central point.

Two different exposure meter management modes are included:

Central Area: set this parameter in order to improve the central dark area, if the central area is dark but the surrounding area is bright.

Spot: on the contrary, if the central area is bright and the surrounding area is dark, use this setting in order to improve the image in the outer darker area.

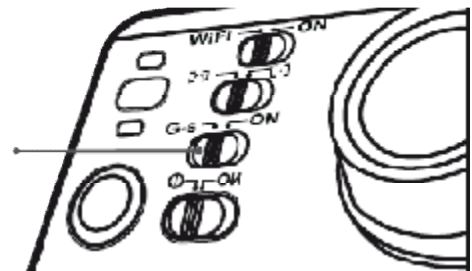


G-SENSOR SELECTOR

Turn on the G-SENSOR for the video camera to automatically detect any change in gravity.

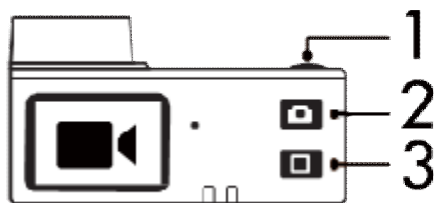
This function is especially helpful for installations on vehicles or when installed on a helmet and thus hard for the user to reach.

Any video camera movement will automatically turn it on. Recording stops when no movement is detected for 3 minutes.



OPERATIONS WITHOUT TFT SCREEN

When the camera is on, hold down the "Video Recording" key for about 3 s to open the mode selection function; the full-screen function icons can be viewed as thumbnails, keys and icons at this time are described as follows:



- 1) Open menu items or confirm
- 2) Go back to previous option/Exit
- 3) Go to next option

	Video recording		Single shot mode
	Video only mode		Fast shot mode
	Voice recording		Photo timer mode
	Timelapse mode		Menu settings
	Video timer mode		

LEGENDA

Following are the symbols that most commonly appear on the screen.









LCD SYMBOLS

	Video recording mode	Displayed in the upper left corner, it indicates the video recording mode
	Photo camera mode	Displayed at the top left when EVO 4K is in photo camera mode
00:00:22	Video recording duration	Displayed in the centre position, it indicates the duration of the current recording video. The time is synchronously displayed with the one on the TFT screen.
100-102	Number of remaining photos	Displayed at the centre, in alternative to the video recording length. Indicates the number of photos taken
	Battery capacity indication	Displayed on the bottom right, it indicates the battery level.
	USB connection mode	Displayed at the centre, it indicates the camera is connected to a PC; EVO 4K is charging and is connected to transfer files to PC


2H:17	Residual capacity	Displayed in small letters at the bottom left, it indicates the memory available space for videos.
5307	Residual capacity	Displayed in small letters at the bottom left, it indicates the memory available space for pictures

A series of symbols are also displayed on the TFT screen at the same time; some similar to those already seen, others more specific.

TOUCH TFT SYMBOLS






	Video recording mode	Displayed in the upper left corner, it indicates the video recording mode
	Audio recording mode	Displayed in the whole TFT display during the audio registration
	Photo camera mode	Displayed at the top left with the shutter key is pressed once
	Power symbol	Displayed on the bottom right, it indicates the battery level.
	Video/Photo resolution	Displayed in the bottom left corner, it indicates the resolution active in that moment. If in photo mode, it displays resolution in mega pixels
	Wi-Fi	Displayed at the top left, it indicates Wi-Fi connection on the video camera
	Exposure meter	Displayed at the top centre, it indicates that exposure meter SPOT mode is on
	G-SENSOR	Displayed at the top left, it indicates that automatic movement detection is on

ACCESS TO MENUS

To access the various menus, touch the centre of the touch screen and then the letter  on the left of the screen.



The following will appear

-  Select to edit video settings.
-  Select to edit photo settings.
-  Select to edit common settings.
-  Select to view photos and videos.
-  Select to return to the previous menu.

Once the required option is selected, two arrows appear on the right of the screen to let you






explore all menu options.



Once the various menus are opened, touch the symbol, the same one you touched to open the menu, at the top left to go back to the previous menu.

VIDEO PARAMETERS SETTING

The EVO 4K must be in video mode to set video settings; an icon  appears at the top left, if this is not the case, touch the video shutter key  on the front.



Symbol to select on the screen .

USING MODE SETTING

Icon 

It allows to select the using mode of EVO 4K video camera.

The choices are:

- Video 
- Video without audio 
- Audio 
- Time Lapse 

The intervals available in seconds are: 0.5, 1, 2, 5, 10, 30, off.

The resulting video will be a more or less accelerated video depending on the setting parameter used.

A normal video has a reproduction of 30 or 60 frames per second.

For example, if you set the parameter at 2 seconds, the result is 30 frames in one recording minute.

Supposing to display it at 30 frames per second, the final resulting video will last one second; a one-hour video will last about 60 seconds in play mode.

Obviously, during this mode the photo camera must be fixed on a tripod or leant on a support.

Note: this function is mostly used to display long events in quick sequence (blossoming flower, rising sun, moving clouds, etc.)

- Video start delay timer 

The choices available in seconds are: 0.5, 1, 2, 5, 10, 30, off.

VIDEO RESOLUTION SETTING



Icon

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

The choices for the video resolution are the following:

Resolutions	PAL system	NTSC system
4K Cinema	(17:9) 4096 x 2160 12 fps	(17:9) 4096 x 2160 12 fps
4K (16:9) 3840 x 2160	12.5 fps	15 fps
2.7K Cinema (17:9)	2704 x 1440 24 fps	2704 x 1440 24 fps
2.7K (16:9) 2704 x 1524	25 fps	30 ps
1080P (16:9) 1920 x 1080	24 fps, 25 fps, 48 fps, 50 fps	24 fps, 30 fps, 48 fps, 60 fps
960P (4:3) 1280 x 960	48 fps, 50 fps	48 fps, 60 fps
720P (16:9) 1280 x 720	50 fps, 100 fps	60 fps, 120 fps

VIEW ANGLE SETTING



Icon

It allows to set 4 types of views with different angles.

The view available choices are:

- wide (W), medium (M), narrow (N), small (S).

The function is disabled in 4K and 2.7K modes.

BITRATE



Icon

It allows to change the numbers of recorded frames per each recording second.

The bit rate choices available are:

- normal (N), high (F).

The higher the parameter is, the clearer is the image, but the file size increases.

SEAMLESS



Icon

Lets you start or stop the loop recording function.

You can start or stop the loop recording function.

If ON, the video file will be automatically saved in 10-minute segments; If OFF, the video file will be saved in 15-minute segments.

The bit rate choices available are:

- On, Off.

This function is not available with 1080P 50f/60f, 720P 100f/120f video resolution.

180° ROTATION



Icon

This function rotates the display and camera menu 180°

The bit rate choices available are:

- On, Off.

This function is disabled in 4K, 2.7K, 1080P 48f/50f/60f and 720P 100f/120f modes.

DISPLAY DATE/TIME IN VIDEOS






Icon

This function records automatically the date and time during the video recording and displays them in a video in the bottom right corner of the screen.

This function is not available with 1080P 50f/60f, 720P 100f/120f video resolution.

CAMERA SETTING PARAMETERS

The EVO 4K must be in video mode to set video settings; an icon  appears at the top left, if this is not the case, touch the shutter key  on the top.




Symbol to select on the screen .


ACQUISITION MODE

Icon 

Lets you set photo shooting mode.

The choices are:

- Single shot 
- Multiple shot 
The choices available are: 3, 6, 10 shots per second.
- Self timer 
The choices available are: 3, 5, 10-second delay.

Press the  Photo key to start the reverse counting timer. The self timer indicator blinks and the camera takes a picture.

To disable the self timer function proceed as above explained and select OFF; on the contrary the self timer is maintained.

This function is not available with 1080P 50f/60f, 720P 100f/120f video resolution.

PHOTO RESOLUTION SETTING

Icon 

Possible resolutions are:

16.0M (4608×3456 4:3), 12.0M (4000×3000 4:3), 8.0M (3200×2400 4:3).

It allows to select the resolution photo resolution.


DISPLAY DATE/TIME ON PHOTOS

Icon 

This function automatically records the date and displays the photo at the bottom right.

SYSTEM PARAMETERS SETTING

The cam can be in either video or photo mode to set system settings.

Symbol to select on the screen .

KEY TONE (ALARM BUZZER)

Icon 

Set this function to enable the tick tone.

The choices available are: Off, 50%, 100%.

STATUS INDICATOR

Icon 

It allows you to turn off the frontal status led.

The choices available are:

- On, 2 (only 1 frontal led and 1 top led on), Off.

ICON DISPLAY (SUBTITLES ON)

Icon 

Lets you disable recording icon operations and any other information visible on the viewing screen.

The choices available are:

- On, Off.

DISPLAY STANDBY

Icon 

It allows the automatic turn-off of the video camera display.

The EVO 4K is set to automatically switch to standby if no operation (photo shooting, video recording or function key) is run for a certain period of time. If any operation is run in the set time period.

The choices in minutes are:

- 10, 5, 2, Off.

Where there is no operation, the system starts counting the time.

When the preset time is reached, the video camera enters the standby mode.

In case that any operation is carried out in the meanwhile, the system restarts counting the time.

TV OUTPUT



Icon

It sets the output format for a TV connection.

The purpose of this setting is to ensure that video recording frame speed complies with the TV reproduction format.

The choices available are:

- Ntsc, Pal.

WARNING: format choice in many types of recordings also influences the number of frames per second used (see video resolution settings).

LANGUAGE



Icon

Lets you select the standard language.

The languages available are:

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

DATE/TIME SETTING



Icon

Let you set the current date and time displayed in the bottom right-hand corner of a video or photo.

FORMAT



Icon

It allows to format an external memory card.

RECOVER FACTORY SETTING




Icon

ATTENTION! This action restores the standard settings in English.

STARTING STEPS

Before using your EVO 4K:



- Make sure that the battery is full. If the level is low, connect the video camera to a computer using the supplied USB cable to charge the battery. The mini red led slowly flashes when charging. When battery is fully charged the red led stays on and the battery icon  will appear from the TFT screen.
- Format the micro SD memory card (as described in System Parameters Setting paragraph).
- Set data and time (as described in System parameters setting paragraph).

Now you can proceed with all other parameters settings of your EVO 4K according to your needs.

USING THE VIDEO CAMERA


The parameters can be modified as described above in the relevant chapters.

Before using your EVO 4K, make sure it is set according to your needs.

Press keys  and  in sequence to switch the video camera from video modes (with video only, audio and video, audio only options) to photo mode.

RECORD A VIDEO, RECORD A VIDEO WITHOUT AUDIO, RECORD AUDIO ONLY




See the relevant paragraph for EVO 4K settings (Video settings).

In the preview state press the Record  key on the front of the camera to start video recording.

The video recording duration is displayed in the upper right part of the TFT screen.

The small green led on the top, the one on the lower right and the one on the front of the video camera will flash slowly.

The recording duration is displayed both on the LCD display and on the TFT screen.

When recording, the video camera only responds to the zoom out and zoom in keys  . Press the Stop  key once to stop and save the video file you are recording.

The video camera restores to the preview state and the recording duration disappears from the LCD segment screen.

NOTE: Turn the power switch to OFF only after having saved the currently recorded file.


If the battery power runs low during the video recording, the system saves the currently recorded file and enters standby mode, displaying a prompt of "Low Battery" on the TFT screen, until the video camera is powered off.

If the Micro SD card is full during the video recording, the system saves the currently recorded file and the system displays a message "Card full" on the TFT screen. The duration for video recording stops on the LCD segment screen and the system

restores to the preview state.

In cyclic recording mode, the system automatically saves a file every 15 minutes. (The cyclic recording function and the pre-video function cannot be simultaneously enabled).




RECORDING A VIDEO IN TIME LAPSE MODE

In the preview state press the Record  key, on the front of the camera, to start video recording without audio.

The video recording duration is displayed in the upper right part of the TFT screen.

The small green led on the top, the one on the lower right and the one on the front of the video camera will flash slowly.

The recording duration is displayed both on the LCD display and on the TFT screen.

When recording, the video camera only responds to the zoom out and zoom in keys  . Press the Stop  key once to stop and save the video file you are recording.

The Video camera restores to the preview state and the recording duration disappears from the LCD segment screen.

Note: Time Lapse mode requires the following values: 0.5, 1, 2, 5, 10, 30s. This indicates that a video is made with photograms shot in sequence in the set time interval.

TAKING A PICTURE

Press the  key once to switch EVO 4K to photo mode.

Before taking a picture some parameters must be set according to the situation.


The parameters can be modified as described in paragraph:

CAMERA PARAMETERS SETTING

Here below a quick sum up:


Photo shooting mode

- Single shot (default mode)

In the preview state press the  key to take a picture while the system generates a click tone. The green indicator on the front side of the video camera blinks once (the shooting icon on the LCD screen blinks once too) and the video camera restores to the preview state.

- Fast shot

It is possible to choose 3 p/s or 6p/s or 10 p/s (pictures/second).

By pressing the  key once, EVO 4K video camera will shot 3, 6, or 10 images per second.

- Auto shooting

It is possible to choose 3, 5, 10 seconds.

The reverse-counting timer starts after pressing the  key once.


PLAYING A FILE (PLAYBACK)

You can view what you recorded (photos, video, audio, etc.) on your EVO 4K.

To view a file, proceed as follows:

1. Key  will appear 

2. You can find three icons  on the right side of the screen.

3. Press the  key in sequence to enable view mode:
Video only, photo only, video and photo.

PLAYING A VIDEO OR PHOTO FILE

Display all thumbnails, touch the desired file to select and play it.














Touch  to return to the viewing menu.

Photo or video viewing activates the controls that appear on the display


	Back		Next
	Play		Pause
	Rewind		Fast forward
	Zoom in/Volume +		Back to preview/Zoom out/Volume -
	Rotate photo		Automatic play
	Move image		Back to previous zoom settings

DELETING, PROTECTING AND AUTOMATICALLY PLAYING A FILE



In playback mode, you can delete, protect and automatically play a file.



2 Select a video or photo to be deleted

3 Select the icon  at the top right and select the bin symbol

4. Select the desired item from:

- Delete single 
- Delete all 

5. Confirm each request.

The option acts according to the displaying mode. In case of more image files and only one video file, in video and photo displaying mode, the choice "delete all" will be available, on the contrary in video displaying mode only "delete single" will be available.

It is possible to delete the not previously protected files only.

Lock /Unlock file





A protection flag can be added to a video or file from the video and photo interface, seen earlier, to prevent them from being accidentally deleted.

To protect a file, perform the following operations:

1 Open the file to be protected.

2 Select the padlock symbol at the top right.

3 Select the desired item from:

- Protect single 
- Protect all 
- Remove protection from single 
- Remove protection from all 

Protected files cannot be deleted with the delete function. In any case, formatting a memory card deletes all data.

OUTPUT INTERFACES

EVO 4K photo camera has 1 audio video output interface:

- Hdmi

and one data files output:

- Usb

HDMI VIDEO OUT

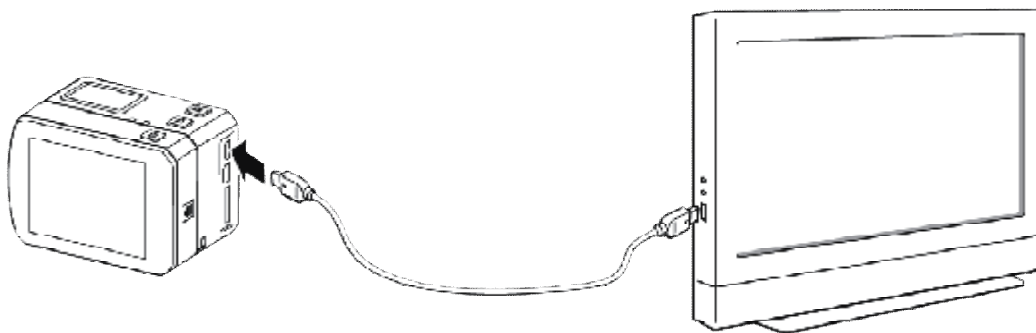
You can connect the photo camera to a video input, through the Hdmi output, by using a specific cable (not supplied).

In the meanwhile the video camera can work normally.

The display or the TV, connected to the video camera, works exactly like the TFT display of the video camera.

In this way you can see photos or videos in playback mode, or adjust the setting parameters.

Incorrect HDMI cable removal could cause EVO 4K video camera malfunctions. After rebooting, the EVO 4K video camera returns to normal conditions. This function is not available when the Wi-Fi device is on.



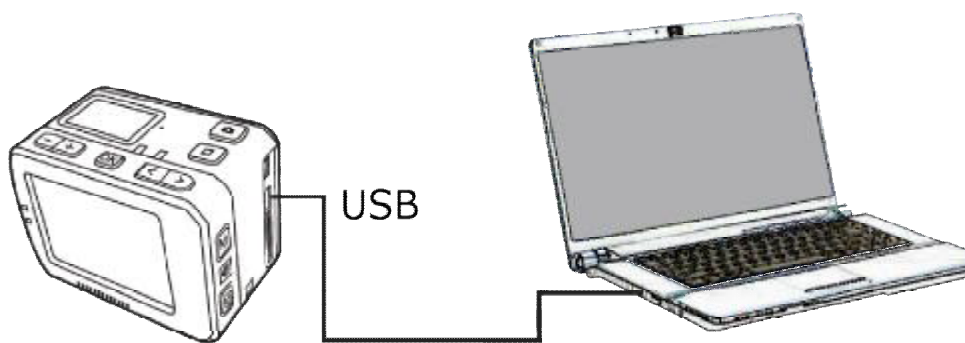
USB OUTPUT

The USB connection allows to :

- Give power supply to the EVO 4K video camera with a USB cable.
- Connect the EVO 4K video camera to a computer in order to read the data in the memory and Micro SD card.

The icon of USB connection is displayed on the LCD screen and the green indicator blinks slowly.

Incorrect USB cable removal could cause EVO 4K video camera malfunctions. After rebooting, the EVO 4K video camera returns to normal conditions. The USB output is one-way: data can only be transferred from the cam to PC and not vice versa.




- Image or video files cannot be recorded on the SD micro card from a PC (via USB cable).
- Image or video files saved on the SD micro card cannot be deleted from PC (via USB cable). This can only be performed on the camera.
- Files cannot be copied from a PC to the SD micro card in the camera (via USB cable).

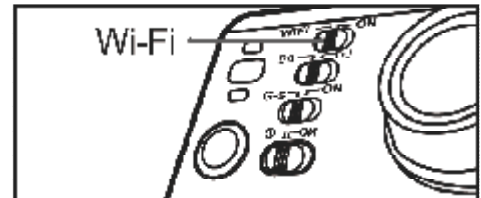
WI-FI CONNECTION

Thanks to the built-in Wi-Fi module, EVO 4K can be connected to Apple or Android Smartphones and Tablets and remotely controlled.

Just download the free EVO 4K App to connect the device in Wi-Fi.

CONNECTING THE PHONE AND VIDEO CAMERA

- Switch the Wi-Fi selector on the front of the video camera ON; the blue status led will start to flash and the Wi-Fi signal icon  is displayed at the top left corner of the TFT screen.
- Wait until the blue led starts to flash slowly.
- At this point, look for new available Wi-Fi connections on your phone.
- Select EVO 4K, the default password is *Nilox1234*
- At this point, start the App you previously downloaded on your phone.



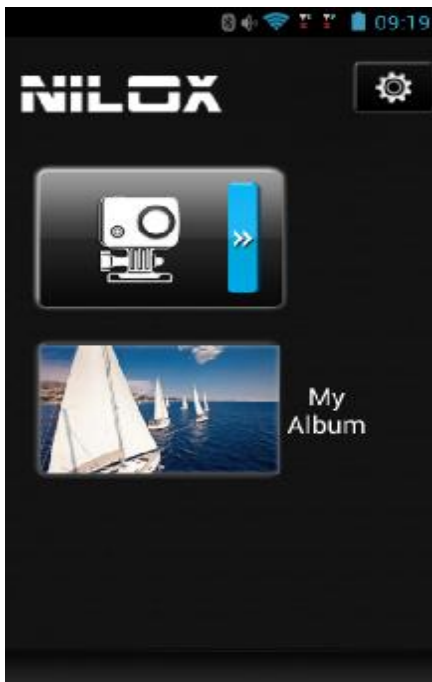
IOS AND ANDROID APPS AND FUNCTIONS

Open the App-Store or Google-Play Store, search for the EVO 4K App and download it; the icon



will be displayed.

Once your EVO 4K and Smartphone are connected, start the application that will appear in the following screen:



The first icon opens EVO 4K functions, the second lets you view recorded videos and photos.

Video recording



To start recording, press the central green key.

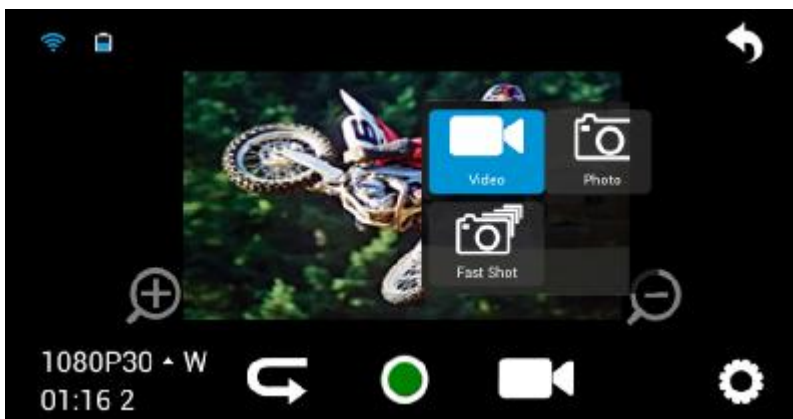
Icon meanings are highly self-explanatory, starting from the top left in clockwise order:


- 1) Wi-Fi on
- 2) Battery level
- 3) Exit screen
- 4) Settings
- 5) Video mode on
- 6) Recording
- 7) Switch to view mode
- 8) Set video settings

The mobile device must be used within max. 100 metres from the video camera and without obstacles.

Real-time preview is not available for 4K, 1080P 48fps/50fps/60fps and 720P 100fps/120fps video recording.

Photo



Touch the icon  to switch from video mode to photo mode and select between single photo and burst mode.

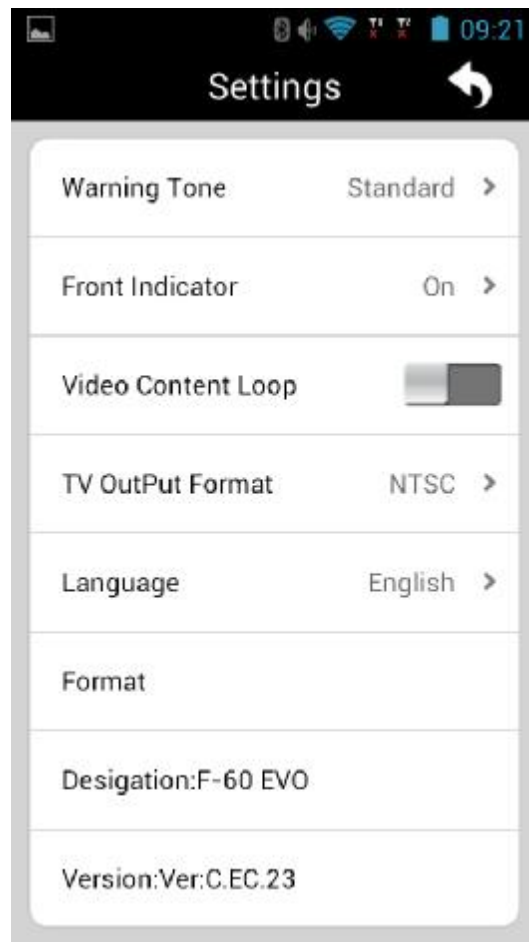
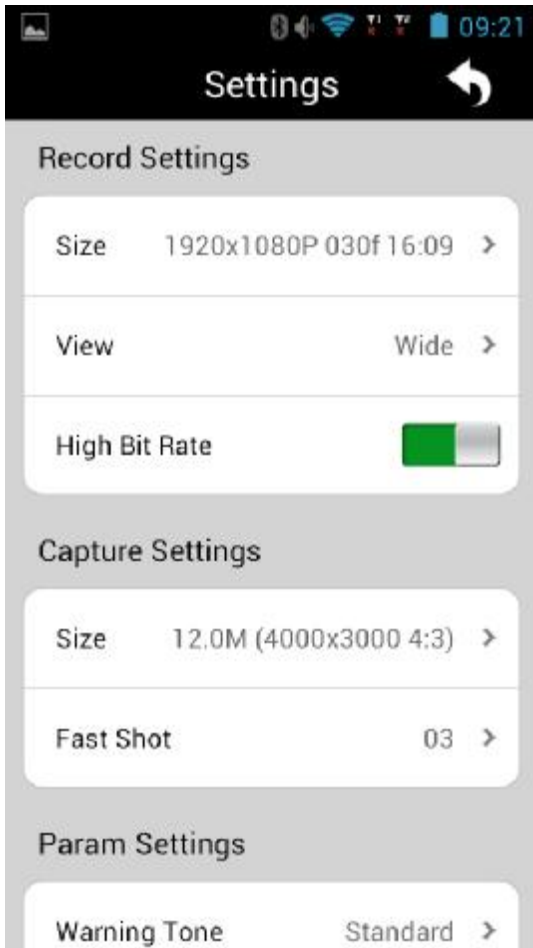


In this case too, the icons are highly self-explanatory and similar to those already seen for videos.

Settings

Click on the gear at the bottom right to open the cam settings menu.

Most parameters can be set and some operations run from this menu for correct cam operations.




4K function cannot be set via APP.

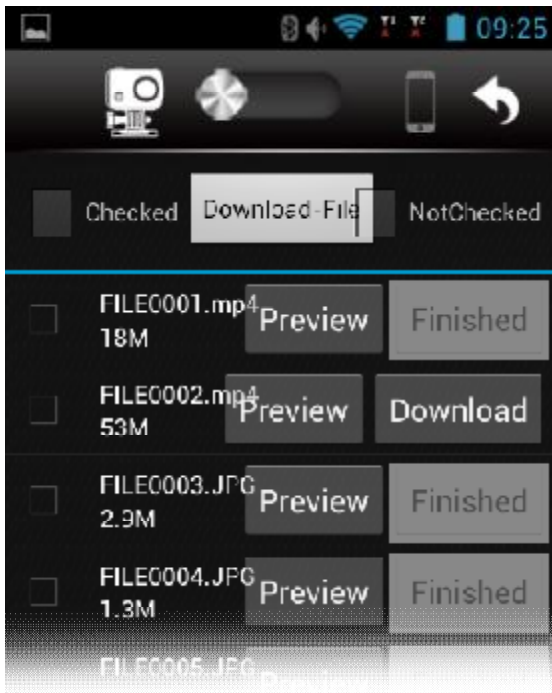
This function can only be set using camera settings.

Photo functions are only available when in photo mode just as video functions are only available in video mode.

File preview mode (Playback)

From the main menu, press  to open the file preview menu.

Alternatively, the same menu can be opened from the home screen by selecting My Album. If the selector is positioned on cam (left) the user can either view a photo or video or download it to smartphone or tablet.



The image is immediately displayed when preview is selected.

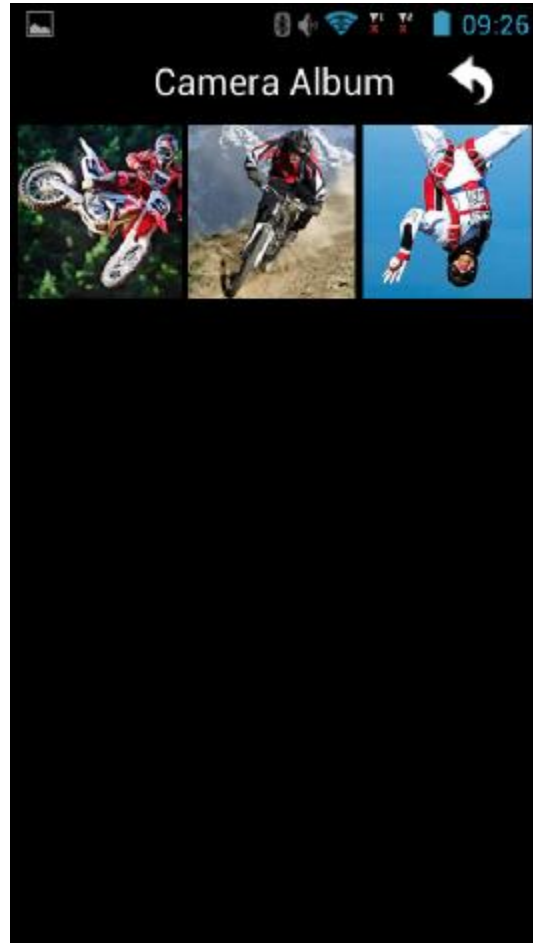


Move the selector to the right to smartphone device to open the downloaded photo and video gallery.

Touching the icon depicting the photo album



opens the photo and video gallery



For best recorded photo and video viewing, we recommend using the player specific to the tablet or smartphone used.

CHANGE WI-FI CONNECTION NAME AND PASSWORD

Change name and connection

- Connect the photo camera (with MicroSD card inserted) to the computer and turn on the photo camera.
- Open "My computer" and find the virtual drive associated with the EVO 4K video camera.
- Open file "WiFi.conf " in folder "MISC" and search for the string "AP_ SSID = EVO 4K".
- Change the content after the"=" symbol.
- Save the file.

Change password

- Connect the photo camera (with MicroSD card inserted) to the computer and turn on the photo camera.
- Open "My computer" and find the virtual drive associated with the EVO 4K video camera.
- Open file "WiFi.conf " in folder "MISC" and search for the string "AP_ PASSWD = Nilox1234".
- Change the content after the"=" symbol.
- Save the file.

TECHNICAL SPECIFICATIONS

Wide angle	160°
Shutter opening	f/2.7
Digital zoom	10X
Pixel	16 million
Video recording format	MP4
Audio recording format	WAV
Photo format	JPG (JPEG)
Wi-Fi coverage	about 100 metres (Max.)
Memory device	Up to 64 GB on external Micro SD card
Battery capacity	1500mAh
Charge time	With USB cable, about 3.5 hours, with charger, about 2.5 hours
Maximum video recording time	About 2 hours (Max.)
Maximum audio recording time	About 4 hours (Max.)
TFT Display	2.0" true color Touch TFT display (16:9)
LEDs	Dot-matrix screen 90×64mm FSTN
Supported Operating System:	Windows XP SP2 /Vista, Win7, 8, 10 or above / Mac OS
Storage temperature	-20°C ~ 60°C
Working temperature	-10°C ~ 50°C
Dimensions	L59 × W43 × H47MM (TFT display) L59 × W43 × H35MM (no display)
Weight	113g (with TFT screen and battery), 86 g (without screen)

Since the product is continuously improved, specifications are subject to changes without prior notice.

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 EVO 4K video camera, pay attention to the following notice information:

- During continuous use, the body temperature of EVO 4K 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.
- During recording, the digital zoom may affect the image quality.
- 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:

<p>1 EVO 4K</p> 	<p>1 TFT display</p> 
<p>2 built-in batteries</p> 	<p>1 waterproof case</p> 
<p>1 interchangeable backs</p> 	<p>1 USB cable</p> 
<p>1 90 degree bracket</p> 	<p>1 humidity proof lense</p> 
<p>1 flat accessory</p> 	<p>1 curve accessory</p> 
<p>1 supporting bracket</p> 	<p>2 lanyards</p> 

WARRANTY AND LEGAL NOTES

EVO 4K is equipped with a rechargeable lithium ion polymer battery. To reduce the risk of fire, please do not tamper with it and avoid falls, contact with water and 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 in water without its waterproof case.**

Personal Safety

Do not disassemble, repair, alter or modify the O-ring on any part of the product. Do not touch the product with metal 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; please contact your dealer if you require technical assistance and / or warranty service.

Disposal instructions



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 optimize use of natural resources.

Electrical and electronic products should not be disposed of with normal household waste, but should be collected properly in order to be processed correctly.

The crossed bin symbol shown on the product and on this page is a reminder of the need to dispose of the product properly at the end of its useful life.

In this way you can prevent non-specific treatment of the substances contained in these products or improper use of parts from producing 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. This is why the manufacturers and distributors of electrical and electronic systems organize proper collection and disposal of the equipment themselves.

At the end of the product's lifespan, please contact your dealer for instructions regarding disposal. When you purchase this product, your distributor will inform you of the possibility of replacing your old device with a new one, on the condition that the type of product and its functions are the same.

Disposal of the product in any other way will be liable to the penalties foreseen by the laws in force in the country where the product is disposed of.

Moreover, we suggest adoption of additional measures favourable to the environment: recycling the inner and outer packaging and disposing of any used batteries correctly.

With your help, we can reduce the amount of natural resources used in the manufacture of electrical and electronic equipment, minimize use of landfills for product disposal and improve quality of life by preventing the release into the environment of potentially dangerous substances.

Installing and replacing batteries



The product contains a battery that may require replacement during the product's lifetime.

Dispose of the batteries contained in the product correctly at the end of their useful lifespan by placing them in appropriate battery disposal container.

Collection and recycling of batteries helps protect the environment and preserve material resources, allowing recovery of valuable materials.

Declaration of Conformity

This product complies with Directive 1999/5/CE-2011/65/CE. The full version of the declaration and technical documents 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 fiscal documents indicate that it was sold to a private citizen.
- This warranty applies in the event of a defect in conformity of 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 or any form of damage of the hardware or screen.
- Other defects due to: inappropriate use, unauthorized hardware/software changes, operations or storage not in accordance with technical product specifications; incorrect maintenance; defects due to use of software other than that supplied and all elements (hardware and software) not designed to be used with the product.

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

Brief Declaration of Conformity



This device has been tested and found to comply with European Parliament and European Commission Directive 2011/65/EC and 1999/5/EC concerning radio equipment and peripheral devices for telecommunications and their mutual recognition. The declaration of conformity is available in our offices and on-line

at:

<ftp://ftp.hellatron.it>



(username: declaration@hellatron pwd: hellatron).

This device can thus be used in all EEC countries and in all countries where Directive 1999/5/EC applies, without restrictions, except for:

Norway (NO): device not to be used within 20 km of Ny Alesund.

Italy (IT): This peripheral complies with the National Radio Interface and meets requirements on Frequency Assignment. The use of this device beyond the areas where the owner works requires general authorisation. For further information please visit: www.comunicazioni.it.



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