MANUALE UTENTE

SUMMARY

PREFACE AND LEGAL INFORMATION

Thanks for choosing EVO 360+, 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, anytime, anywhere. The complete EVO 360+ manual can be downloaded from the Nilox website at:

http://www.nilox.it/it/manuali-e-download

Enter the EVO 360+ code in the "PRODUCT OR MODEL CODE" field: 13NXAK3600001, search for the technical sheet and download the complete manual. This manual, in hard copy format, is also found in the following pages.

TECHNICAL SUPPORT

This product is warranted in accordance with current legislation; please contact your dealer if you require 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 optimize 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 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 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 are not over 25 cm, the EEE (Electrical and Electronic Equipment) can be returned without any equivalent product purchase obligation. 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 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. Collection and recycling of batteries helps protect the environment and preserve material resources, allowing recovery of valuable materials.

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.
- Six month on the battery, regardless of the occupation of the product purchaser.
- 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 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 24, 2002. Implementing the 1999/44/CE Directive.

BRIEF DECLARATION OF CONFORMITY

This device complies with European Parliament and European Commission Directive 2014/53/EC concerning radio equipment and peripheral devices for telecommunications and their mutual recognition. The declaration of conformity is available on line at ftp:\\ftp.hellatron.it (user name: declaration@hellatron - password: hellatron). This device can thus be used in all EEC countries and in all countries where Directive 2014/53/EC applies, without restrictions, except for:

- 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.
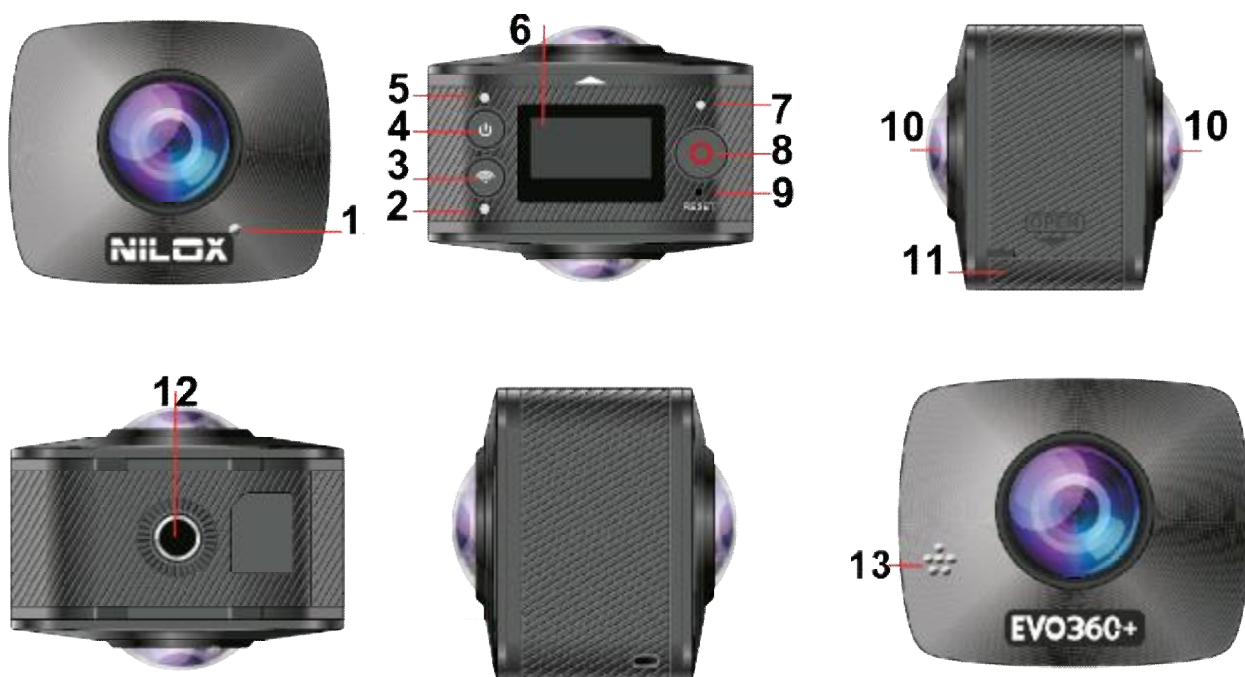
- Norway (NO)

device not to be used within 20 km of Ny Alesund.

CE (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.

STRUCTURE

1) Microphone
2) Status led
3) Wi-Fi key
4) Power on
5) Status led
6) Display
7) Status led

8) Shoot and record key
9) Reset
10) Lens unit x2
11) USB input and microSD card
12) Threaded hole for tripod
13) Speaker

STARTING STEPS

Insert the microSD card in the slot, opening the slot cover flap (10) and inserting the card with the contacts facing up..

At least a class 6 or, preferably, class 10 high speed microSD card is required to make the 360+ function properly.

Always turn off the camera before inserting or removing the microSD card.

POWER ON AND OFF
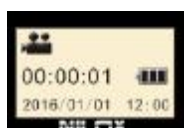
Hold down the start button ⏻ for about 2 seconds and release until the buzzer sounds.

A brief welcome message appears and next the display indicates the 360+ operating mode; the default operating mode, when turned on, is video recording mode.

Press and hold down the same button for about 3 seconds to turn off the cam.

If the cam is not used for about 3 minutes (default value) the 360+ automatically turns off.

CHARGE

Use the cable in the packaging to charge your EVO 360+ batteries. The blue LED on the top of the cam will turn on when charging.

The blue light turns off when the batteries are fully charged.

IMPORTANT:

The 360+ is normally charged via PC USB slot: if a charger is used, check the output voltage before use.

Make sure it is 5V and between maximum 0.5 and 2 Ampere.

FUNCTIONS

The EVO 360+ can work in both video camera and photo camera modes.

When on, press to switch from one mode to the other and the corresponding mode icon will be displayed on the screen.

RECORDING

In recording mode, press the record button .

The cam starts recording and the buzzer sounds.

The video recording time will be displayed on the screen.

Press the button again to stop recording.

The video will be automatically saved in the camera memory card. The remaining available recording time will be displayed.

PHOTO

Press the key once to switch EVO 360+ to photo mode.

Press to take a picture.

The number of images that can still be saved by EVO 360+ (estimate) will be displayed.

EVO 360+ SETTINGS

To set video camera parameters, hold down key for several seconds and navigate the menu with the same key , then confirm selections by pressing key .

To return to the previous level, hold down key for several seconds.

POWER SAVE

This sets when EVO 360+ turns off to save the batteries.
Go to:

Power save

Press key to confirm

Select with and confirm with
The choices for the video resolution are the following:

- 1 min, 3 min, 5 min, Off

DATE AND TIME

This sets the data and time that will appear on pictures and videos.
Go to:

Date and time

Press key to confirm

Switch from one field to the next with key , edit fields with key and confirm with key .

DISPLAY DATE

Once the date and time are set, you can display them on pictures and videos.
Go to:

Display date

Press key to confirm

Select with and confirm with
The possible choices are as follows:

- Yes, No

LANGUAGE

It lets you change the cam menu language.
Go to:

Language

Press key to confirm

Select with and confirm with

The choices for the language are as follows:

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

DEFAULT VALUES

Restores EVO360+ default values
Go to:

Default values

Press key to confirm

Select with and confirm with

The choices are as follows:

- Yes, No

SYSTEM

It provides information on system features in use and the microSD card in the EVO 360+.
Restores default EVO 360+ values.
Go to:

System

Press key to confirm

Select with and confirm with

The choices are as follows:

- System info. (shows the cam software release)
- MicroSD info (shows available and occupied memory space)

FORMAT

This lets you format the EVO360+ MicroSD card
Go to:

Format.

Press key to confirm

Select with and confirm with

The choices are as follows:

- Yes, No

WARNING: the cam does not request confirmation; all data is lost when the card is formatted.

APP USE

Thanks to the built-in Wi-Fi module, EVO360+ can be connected to Apple or Android Smartphones and Tablets and remotely controlled.

Just download the free EVO360+ App to connect the device in Wi-Fi.

Open the App-Store or Google-Play Store, search for the NILOX EVO360+ App and download it; the following icon will be displayed:

CONNECTING YOUR SMARTPHONE AND VIDEOCAMERA

- Press ⬤ key on top of the cam
- "Wi-Fi ON" will appear at the same time
- The name of the network and the password will appear next
- The network (SSID) is EVO 360+
- The default password is *Nilox1234*
- Connect the cam and smartphone
- At this point, start the App you previously downloaded on your phone.

ATTENTION:

The EVO 360+ need not be linked to the APP to be used.

Vice versa, pictures and videos are only displayed in combination with its specific APP.

Videos and pictures viewed on a traditional multimedia reader are not correct since displayed in 2 paired spheres.

Always use the specific APP to view them correctly.

APP AND ANDROID AND ıOS FUNCTIONS

Once your EVO360+ and Smartphone are connected and the App launched, press the button that

appears in the first black screen at the top right 📷.

The cam can be fully controlled from your smartphone or tablet.

The display modes for Android and iOS are very similar.

Display mode for Android.

1)Wi-Fi signal strength

2)Rotating the image

3)Viewing mode

4)Viewing photos and videos

5)Photo/video recording button

6)Switching from photo to video and vice versa

7)Settings

8)Primary front or back lens display

9)Battery level

VIEWING MODE

EVO360+ simultaneously records with both lenses and, consequently, videos or pictures produced and displayed without interpolations are, as seen above, contained in 2 paired spheres.

The APP's primary task is to provide a stylised preview, obtained by combining the 2 different pictures or videos, when recording and when viewing.

Press icon 3 to view the different modes.

"Plane" mode
    The image is flattened; similar to a classic video recording or picture.

"Planet" mode
The image is presented in a sphere; this sphere can be changed by touching it to zoom.

"VR" MODE
    The image is displayed in virtual reality mode. The specific viewer is required to view them.

SETTINGS

Obviously, EVO 360+ cannot have a traditional display on the back of the cam.
The display on the top permits a limited number of settings.
Some settings can only be edited via APP.

Touch the symbol [gear icon] at the top left of the application:

PHOTO RESOLUTION
Not enabled; resolution is standard.

VIDEO RESOLUTION
Not enabled; resolution is standard.

WHITE BALANCE
Lets you select the best white balance according to the situation.
The choices are as follows:
- Automatic
- Day light
- Cloudy
- Fluorescent

- Incandescent

FORMAT

This lets you format the EVO360+ MicroSD card

Photo and video recording.

PUBLISHING PHOTOS AND VIDEOS ON SOCIAL NETWORKS

As previously seen, videos taken with EVO 360+ cannot be correctly viewed using the most popular video and image players (Media player, VLC, Picasa, etc.).

To correctly view them and thus exploit the fully potential of your EVO 360+, videos and photos can be published and then shared on social networks enabled for their viewing.

YouTube and Facebook, for example, have players to let you correctly view 360 degree videos.

DOWNLOADING VIDEOS AND PHOTOS

Use the APP to control the cam, take pictures and produce photos and videos.

Obtained photos and videos can then be locally downloaded to your Smartphone or Tablet using the depicted icon.

This way they will be locally saved on your device and viewed in the first APP screen.

To process and publish your videos, exit the APP and disconnect the cam from the Smartphone or Tablet so that it resumes normal Wi-Fi or 3G connection.

Restart the APP and open the video and photo gallery.

GALLERY

When the APP opens, previously downloaded videos and photos will be available in the Gallery.

At this point you can select which videos and photos you want to publish on your favourite social networks.

THE 360 DEGREE VIDEO PLAYER FUNCTION IS CURRENTLY AVAILABLE ON YOUTUBE AND FACEBOOK.

CONVERTING AND SHARING

Select the file to be published from the gallery. Photos and videos will be displayed in full screen as illustrated.

Select the circled icon to start the conversion procedure.

2 settable parameters are available in points 1 and 2 in the illustration on the right.

1) Rotation: lets you set how much the initial video is rotated. Selectable values are: 0,90 180,270 degrees.
2) Quality: lets you set video quality. Selectable values are: Average and High.
3) START SHARING: The video is processed.

When finished, the APPs or services associated with your Smartphone will appear to publish the photo or video. Obviously, you must have a valid account enabled on your device to share on YouTube or Facebook. As already previously indicated, only YouTube and Facebook currently permit 360 degree viewing. If you share with another service (for example WhatsApp) an inadequate video will be sent.

OUTPUT DEVICES

The EVO 360+ 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.

The internal EVO 360+ 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.

INCLUDED IN THE PACK

The articles included in the pack are the following:

1 EVO 360K+ (the battery is not removable)

1 Tripod

1 universal bracket

1 Usb ONE WAY data load and transfer cable

1 Quick guide. The complete manual can be downloaded from the Nilox website.

ACCESSORY COMPATIBILITY

EVO 360+ comes with a universal support which, screwed into the tripod housing, lets you use all Nilox range accessories.

However, you should remember that, since it has two groups of opposite lenses, EVO 360+ cannot obviously be used with some accessories.

All accessories that prevent the full view of both lenses should not be considered.

A universal tripod is included in the package, to be used to rest the cam on a surface or, closed, as a selfie stick.
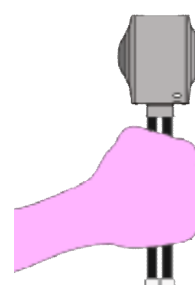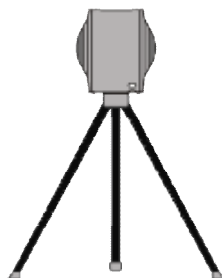
TECHNICAL SPECIFICATIONS

EVO 360+camera has the following specifications:
- Image sensor: 4.0 mega-pixel CMOS
- Functions: Video recording, photos
- Lenses F2.0 f=1.1 mm (each lens)
- Photo resolution: 4.5 M
- Video resolution: 1920x960 30fps
- External memory: TF card (Maximum 32GB)
- File format: JPEG, MOV H.264
- USB Port: One way USB 2.0
- Battery: Internal 3.7V 1500 mAh rechargeable lithium battery
- Menu: English, Italian, Spanish, Portuguese, French, German, Czech, Slovak, Greek
- Supported operating systems Windows XP/Vista/7/8, or higher, Mac 10.2
- Dimensions: 60,5x50x48 mm
- Weight: 106 gr.

WARNINGS AND PRECAUTIONS

- During continuous use, the body temperature of EVO 360+ video camera increases. The situation is normal. The camera surface may be hot after prolonged use.
- Shooting view angles are slightly different in different working modes of the video camera.
- 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.

Please observe the following points when using the cam:
- 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.

EVO 360+ 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.