

EASYPiX®



NIGHT  
VISION



## IR Night Vision Binoculars Camera

### USER MANUAL

**FR :** Un manuel dans votre langue est disponible sur Internet:

**IT:** Il manuale nella sua lingua può essere trovato su Internet:

**ES:** Puede encontrar un manual en su idioma en Internet:

**PT:** Um manual em seu idioma pode ser encontrado na Internet:

**PL:** Instrukcję w swoim języku możesz znaleźć na stronie:

**SV:** En handbok på ditt språk finns på Internet:

**NL:** Een handleiding in uw taal vindt u op internet:

[bit.ly/403hZrI](http://bit.ly/403hZrI)



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All pertinent state, regional, and local safety regulations must be observed when installing and using this product. For reasons of safety and to help ensure compliance with documented system data, only the manufacturer shall perform repairs to components.

Failure to observe this information can result in injury or equipment damage.

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## General instructions

Read this manual and its safety instructions before using this product.

Follow all the instructions.

This will avoid fire, explosions, electric shocks or other hazards that may result in damage to property and/or severe or fatal injuries.

The product shall only be used by persons who have fully read and understand the contents of this user manual.

Ensure that each person who uses the product has read these warnings and instructions and follows them.

Keep all safety information and instructions for future reference and pass them on to subsequent users of the product.

The manufacturer is not liable for cases of material damage or personal injury caused by incorrect handling or non-compliance with the safety instructions.

## Explanation of symbols



**WARNING**

Warning indicates a hazard with a medium level of risk which, if not avoided, could result in serious injury.

## ***NOTICE***

"Notice" indicates information that is considered important but is not hazard-related.

### **Product introduction**

Easypix IR NightVision Binocular is a night vision device with infrared photo and video recording up to 20MP range and 1080p.

Images and recordings can be viewed on the built-in 2.31"/5.86 cm colour display. For better visibility of the display, the product also has a magnifying viewfinder. This makes it ideal for spectacle wearers.

### **Intended use**

This product can be used both day and night. A night vision camera can capture images and video in dark environments. The existing brightness is enhanced and a clear image is produced even when there is little or no visible light.

The product is ideal for use in security, wildlife and nature photography.

## ***NOTICE***

**No audio is recorded during video recording. The product is intended for observation purposes only.**

## Declaration and proven safety

The product has been verified in accordance with the essential requirements and other relevant provisions of Directives 2014/53/EU, 2011/65/EU & (EU) 2015/863. Its safety complies with the requirements of the relevant national regulations.

## Restrictions



### WARNING

**The product is not suitable for children under 3 years because of choking hazard.**

- Contains small parts, in order to avoid swallowing, please ensure any use by children is undertaken with adult supervision.
- This product is not suitable for use in wet conditions.
- Please ensure all parts are kept dry at all times.
- Ensure all parts are not exposed to extreme temperatures.

## Safety instructions



### WARNING

**This product is only suitable for the purpose described, the manufacturer is not liable for damage caused by abnormal use.**



### WARNING

**Please read this instruction manual carefully before use.**  
Keep all small parts out of the reach of small children.

- Please dispose of the waste and residues at the end of the service life of the product according to local laws and regulations.
- If you think this product is damaged in any way, please do not use the product.

## Operating environment

- Please peel off the transparent protective film from the lens and screen before first use.
- Protect the product from falls, bumps and knocks.
- Do not expose the product to abnormally high or low temperatures.
- Operating Temperature: -20°C to +60°C

## **Product maintenance**

Always remove batteries before cleaning. Only use a soft, dry cloth or towel to clean the outer housing or lenses. To avoid damage do not use any cleaning fluids or lens cleaners.

## **Storage environment**

- Store the product at room temperature in a dry and dust-free place.
- Do not expose it to direct sunlight or unusually high or low temperatures.
- Ensure the batteries are removed if the product will be unused or stored for an extended period of time.
- Storage Temperature: -30°C to +65°C

## Product description



### 1) Focus Wheel/Lens

### 2) USB Port/ Memory Card Slot

### 3) • Up

#### • Short Press:

Switch on IR Function

#### • Multiple Short Press:

Increase IR Level

#### • Long Press: Zoom in

### 4) • Down

#### • Multiple Short Press:

Decrease and turn off IR Function

#### • Long Press: Zoom out

### 5) Power On/Off

### 6) Strap Loops

### 7) Infrared Transmitter

### 8) Menu

### 9) Mode

### 10) Shutter/OK

**11) Display**

**12) Battery  
Compartments**

(2x 4 AA batteries  
are required)

**13) Optional  
Bracket Mount**

**14) Tripod Mount  
Hole**



**15) Lens Cover**

Lens cover improves  
sharpness and visibility of  
objects in daylight.



## First use

### ***NOTICE***

**To ensure optimum performance from your camera, please follow the steps below when using the camera for the first time.**

#### **Step 1: Insert the batteries**

- This product requires 8x AA alkaline batteries (not included).
- Remove the covers on the battery compartments and insert the batteries ensuring the correct polarity is observed for each battery.
- Close and secure the battery compartment covers.

If the device does not turn on, check that all batteries have been inserted properly with the correct polarity.

#### **Step 2: Insert memory card**

**The infrared binoculars support the use of Class 10 memory cards up to a maximum capacity of 32GB.**

- Insert the memory card into the memory card slot [2] ensuring that the card is being inserted in the right direction.

- The card should be inserted smoothly with a small spring action required to secure it in place.
- If there is resistance when inserting the card or use of force is required, stop and check the card is being inserted the right way up.

### **Step 3: Format the memory card**

- To ensure the optimum performance of the card it should be formatted before using it for the first time.
- Enter the 'Format' settings in the user menu to complete the formatting process.

## ***NOTICE***

**The formatting process deletes any data or files currently on the card.**

Please ensure important files are backed up before formatting the card for use with the binoculars.

## Basic functions

### Power on/off

- To turn on the binoculars long press the power button [5] for 3 seconds until the colour display illuminates.
- Adjust the manual focus wheel [1] until the image displayed on the LCD display is clear and in focus.
- If powered on during night time or in low light conditions, press the IR Boost button [3] to activate the infrared function.
- Use buttons [3] to boost and [4] to reduce the infrared intensity according to the light conditions at the time of use. The darker the environment, the more boost is required.

### Operating modes

The binoculars have 3 modes of operation which can be changed by pressing the mode button [9].

- **Photo Mode** – use shutter button [10] to take a photo
- **Video Mode** – press shutter button [10] to start recording a video. Press shutter button [10] again to stop recording video.
- **Playback Mode** – Enter playback mode to view your photos or playback your videos.

## **Photo mode**

- When turned on, the binoculars default mode of operation is Video mode. Press the mode button [9] to change to photo mode as indicated by the photo mode icon on the display.
- Long press button [3] to zoom in or button [4] to zoom out. The zoom value will be displayed on the LCD display.
- If required use the manual focus wheel [1] to sharpen the image.
- If used at night or in low light conditions press the IR Boost button [3] to activate the IR function.
- Use buttons [3] and [4] to boost or reduce the infrared intensity according to the light conditions at the time. The darker the environment, the more boost is required.
- The level of brightness will displayed on screen [0>1>2>3>4>5>6>7>0]
- When all settings have been adjusted press the shutter button [10] to take a photo.

## **Video mode**

- When turned on the binoculars default mode of operation is Video mode. This mode is confirmed by the icon on the LCD display.
- Long press button [3] to zoom in or button [4] to zoom out. The zoom value will be displayed on the LCD display.

- If required use the manual focus wheel [1] to sharpen the image.
- If used at night or in low light conditions press the IR Boost button [3] to activate the IR function.
- Use buttons [3] and [4] to boost or reduce the infrared intensity according to the light conditions at the time. The darker the environment, the more boost is required.
- The level of brightness will displayed on screen [0>1>2>3>4>5>6>7>0]
- When all settings have been adjusted press the shutter button [10] to star recording a video.
- Press the shutter [10] again to stop video recording.
- The video will be automatically saved to the memory card.

## **NOTICE**

***The product does not record or play back audio, as the target is observed at a distance.***

*Video recording will stop automatically when the memory card is full. As this device uses FAT32 formatting, the maximum size for any single video recording is 4GB.*

*When any single video recording reaches 4GB of data recorded, recording will stop automatically.*

## **Playback mode**

Press the Mode key [9] to enter Playback Mode.

Use the Up button [3] and down button [4] to browse the photo and video files.

### **Playing video files:**

- Press the OK button [10] to start video playback.
- Press the OK button [10] again to pause playback.
- Press the Menu button [8] to stop playback.

### **Deleting and protecting files**

While in Playback mode:

- Press the Menu button [8] to display the file options.
- Use the Up [3] and Down [4] buttons to choose to 'Delete....' Or 'Lock..'
- Press the OK button [10] to confirm your selected option.
- Press the menu button [8] to return to the previous menu.

## Settings menu

Use the settings menu to adjust the main camera settings and dedicated settings for photo and video modes.

- To enter the settings menu press the Menu button [8]
- Use the Up button [3] and Down button [4] to navigate the menu.
- Use the OK Button [10] to confirm your selection
- Please refer to the table below which lists what settings options are available under each sub-menu item.

Menu	Function
<b>Photo resolution</b>	20M (5200x3900), 16M (4608x3456), 12M (4000x3000), 8M (3264x2448), 5M (2592x1944), 3M (2048x1536), 2M (1600x1200), 1M (1280x960)
<b>Video resolution</b>	Full HD 1920x1080, HD 1280x720, 720x480, 640x480
<b>Power frequency</b>	Set the power frequency according to your area.
<b>Auto power off</b>	Save battery by setting an automatic power off time.
<b>LCD backlight</b>	The preview adjustment value will be displayed in the left lower corner of the LCD screen.
<b>Date</b>	Date settings
<b>Time Set</b>	Time settings
<b>Date stamp</b>	Add time watermark to photos or video files.

<b>Format memory card</b>	Formatting the memory card deletes all files, including locked files. Before formatting, copy important files to your computer.
<b>Default setting</b>	Restore all settings to factory default.
<b>Software version</b>	Review the currently installed firmware version.

## IR NightVision function

### **Switch on the IR function:**

Press shortly the button 3.

### **Increase or decrease the IR boost:**

By shortly pressing the buttons 3 and 4 several times.

### **Switching off the IR function:**

By shortly pressing button 4 several times.

## ***NOTICE***

**IR LED performance is dictated by the battery capacity at the time of use.**

### **Full battery capacity:**

IR boost settings are adjustable from level 1 to 7.

**Medium battery capacity:**

IR Boost settings are adjustable from level 1 to 5.

**Low battery capacity:**

IR Boost settings are adjustable from level 1 to 3.

**Use in daylight:**

If used in daylight ensure that the Infrared function is turned off. If the infrared function is active in daylight conditions, images on the LCD display will appear in black and white. De-active the infrared function to display images in colour.

**Use in darkness:**

In low light or night time use ensure the infrared function is active and the infrared boost button [3] and reduction button [4] button are used in conjunction with the manual focus wheel [1] to adjust the image to appear correctly and in focus on the LCD display.

When the infrared function is active, images will display in black and white on the LCD screen.

## **File transfer**

There are 2 options for transferring your files from the binoculars to your computer.

### **Via SD Card adaptor**

- Remove the memory card from the binoculars and use an SD card to USB adaptor to copy your file to your computer.

### **Via direct connection to computer**

- Turn on the device and connect it to your computer using the USB cable.
- A USB connection icon will display on the binoculars LCD display to confirm a successful connection.
- If the removable drive does not automatically appear on your desktop screen, open MyComputer or Windows Explorer to view the removable disk.

## Technical specifications

- IR Night Vision Binoculars
- 2MP CMOS Sensor
- Visibility Range:  
3m - infinity in daylight  
200 - 300 m in low light or at night
- IR LED Light: 3W, 850nm,  
7 levels Infrared adjustment
- Photo Resolution:  
20M (5200x3900)\*, 16M (4608x3456)\*,  
12M (4000x3000)\*, 8M (3264x2448)\*,  
5M (2592x1944)\*, 3M (2048x1536)\*,  
2M (1600x1200), 1M (1280x960)
- Video Resolution:  
1920x1080, 1280x720, 720x480, 640x480
- Aperture: F 1.2 f=25mm
- Lens: FOV=14°, Diameter: 25mm
- Display: 2.31"/5.8 cm, 320x240
- Magnifying viewfinder for improved visibility of the display – ideal for people wearing glasses
- 4x Digital Zoom
- File format: JPG/AVI
- Video decoding: MJPEG
- Memory Card Support:  
MicroSD card up to 32GB,  
Class 10 or higher (not included)
- USB port: USB Type-C

- Power Supply: 8xAA required (not included)
- Operating Temperature: -20°C to +60°C
- Storage Temperature: -30°C to +65°C
- Product Size: About 190 x 130 x 60 mm
- Product Weight: 545g/730g with batteries  
(\*by interpolation)

## Box contents

- Infrared Night Vision Camera
- Bag (Oxford Material)
- Carrying Strap
- USB Cable
- Wipe
- User Manual (EN/DE)

Operating instructions in other languages are available for download at **[bit.ly/403hZrl](https://bit.ly/403hZrl)**

or

[www.easypix.info/download-manuals/download/ir-nightvision/](http://www.easypix.info/download-manuals/download/ir-nightvision/)



## Disposal



### Disposal of packaging:

Dispose of the packaging according to its type.

Add cardboard and paperboard to the waste paper, foils and plastic wrapping to the recyclable waste collection.



***Séparez les éléments avant de trier***

<p><b>IMBALLAGGIO ESTERNO</b> PAP 22 Cartone carta</p>	<p><b>IMBALLAGGIO INTERNO</b> PAP 22 Cartone carta</p>
<p><b>RACCOLTA DIFFERENZIATA</b></p>	<p>Verifica le disposizioni del tuo Comune. Svuotare l'imballaggio. Conferisci in raccolta il contenitore vuoto.</p>



**Waste electrical and electronic equipment and/or batteries disposed of by users in private households in the European Union:**

This symbol on the product or on its packaging indicates that it cannot be disposed of with household waste. You must dispose of your old appliance and/or battery by handing it over to the applicable collection system for the recycling of electrical and electronic equipment and/or

batteries. For more information on recycling this device and/or battery, contact your local council, the shop where you purchased the device or your household waste disposal service. Recycling materials helps to conserve natural resources and ensures that it is recycled in a way that protects human health and the environment.



## WARNING

### **Warning regarding batteries:**

- Do not disassemble or hit the battery. Be careful not to short-circuit the battery. Do not expose the battery to high temperatures. Do not continue using the battery if it leaks or expands.
- Keep the battery away from children.
- Batteries can explode if exposed to an open fire. Never throw batteries into fire.
- Dispose of used batteries according to local regulations.
- Before disposing of the device, remove the battery and dispose of it separately.

## Declaration of conformity



### EU Declaration of conformity

We hereby declare that the product is in conformity with the essential requirements and other relevant provisions of Directives 2014/53/EU and 2011/65/EU & (EU) 2015/863.

The full text of the EU Declaration of Conformity can be found in German and English at:

[www.easypix.info/download/pdf/doc-ir-nightvision.pdf](http://www.easypix.info/download/pdf/doc-ir-nightvision.pdf)

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