

Thank you for purchasing the pinhole camera Auloma Diva-6x6. Please read this instruction manual carefully before operating

Working theory

The pinhole camera Auloma Diva 6x6 to take shots uses 120 film format and uses the principle of pinhole photography. The camera produces images of dimensions 56 x 60 mm and has the capacity to take a number of 12 photos using a standard film roll. You can use films of any sensitivity, the opening times of the shutter depends on the film sensitivity, in the package is provided a reference table with the approximate opening times of the shutters using a film ISO / ASA 100 in various light conditions, while to obtain more accurate shutter opening values we recommend a visit at our website www.auloma.com.

Caution - Safety precautions

1. Children from 0 to 14 years of age are not allowed to use the camera. The camera is composed by detachable components that could be ingested.
2. Do not use the pinhole of the camera to observe the sun or other sources of light, this could damage your eyes.
3. Keep the camera away from heat sources $>90^{\circ}\text{C}$, to avoid irreparable damage
4. Keep the camera away from fire to avoid damage or burning.
5. Keep the camera at least 30mm away from objects that could be damaged by the magnetic field by the neodymium magnet mounted on the shutter, such as: magnetic stripe cards or badges, hearing aids, pacemakers, mechanical watches in accordance with ISO 764, For NON ISO 764 watches, maintain a distance of at least 61mm. A safety distance cannot be determined to avoid damage to hard disks.

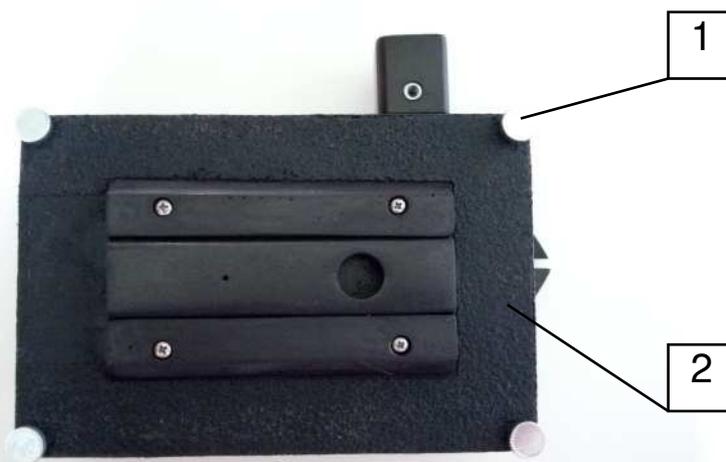
Note

- Do not disassemble the camera
- The camera isn't waterproof. Do not immerse the camera in liquids or under running water.
- Do not use acids, corrosive substances, hydrocarbons or anything else not indicated for cleaning surfaces.

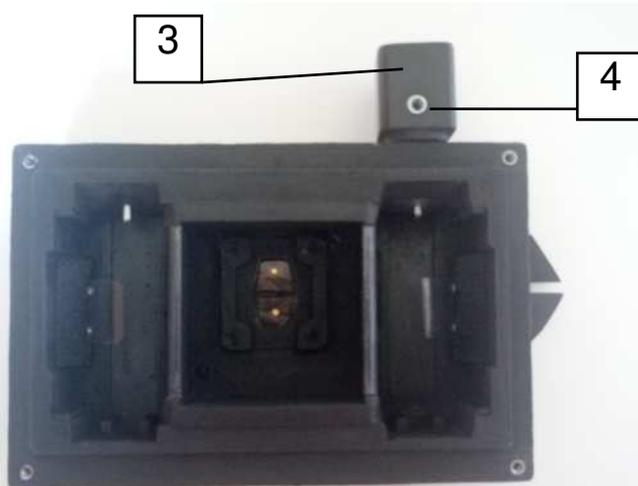
- The camera uses a neodymium magnet that can lose part of its attraction force when heated to a temperature of $>80^{\circ}$.
- The camera is an handcrafted product with surfaces finished by abrasive discs. Possible scratches due to processing are a characteristic of our product and can't to be considered defects or that the product has been used.

Preparation before use

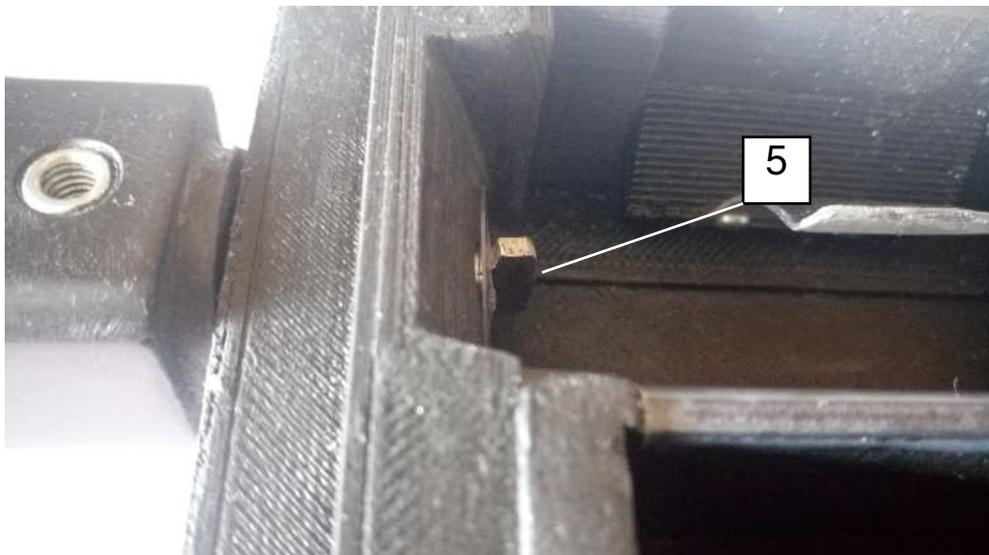
Release eight knobs 1, then remove the cover 2 from the camera.



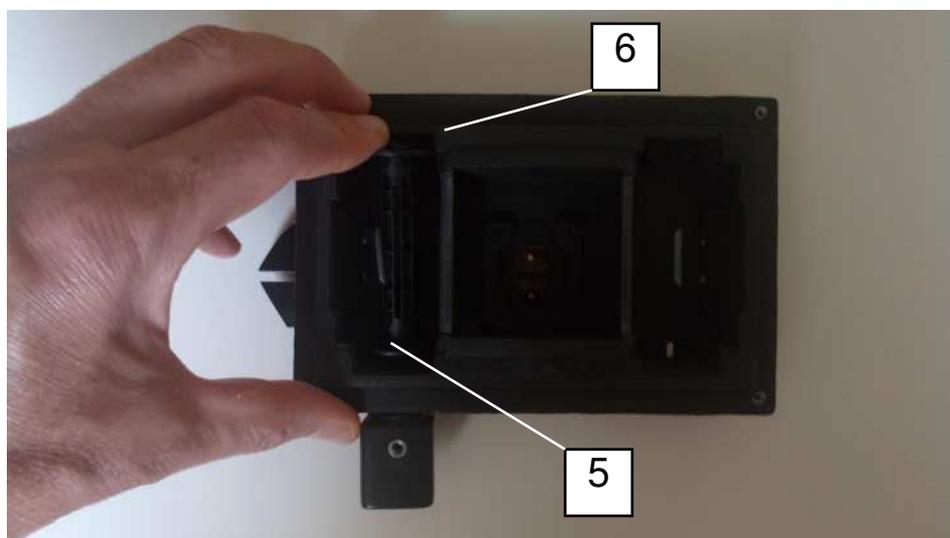
Positioning the knob 3 with the bush 4 in front of you, such as the picture below



In this way the rewinding palette 5 will be oriented in the correct position to allow the coil insertion



Tilting the coil and insert its slot into the rewind palette 5, pressing smoothly the coil onto the surface above the palette and then insert the coil into the seat 6



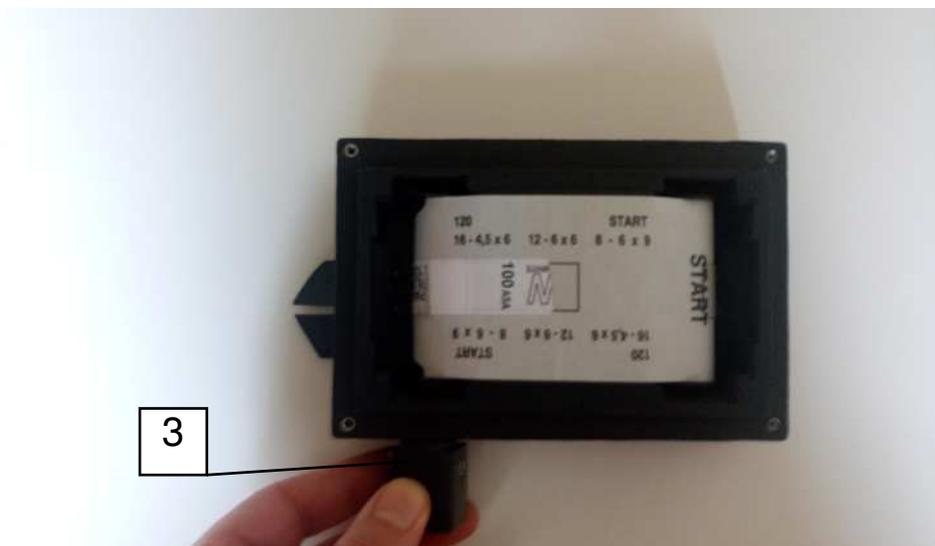
Position the film roll with the tape oriented to the empty coil, remove the tape, tilt the film roll to insert its slot into the pin 7 and then push the film roll into the seat 8



Pull the back paper until reach the empty coil



Insert the back paper into the vertical slot of the empty coil and then rotating the knob 3 to wind the back paper around the empty coil. Executing two or three knob rounds to verify that back paper is winded correctly.



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Warning:

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The knob 3 own a mechanism that allow only a rotation in counterclockwise sense. If you forcing a clockwise rotation of the knob 3 with an excessive strength, the socket set screw that fixing the knob on the palette 5 could be released. Use a metric hexagonal key to release completely the knob. Mount the knob on the palette in manner that the screw placed in the knob working on the flat layer of the shaft palette.

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Close the camera with the cover 2 and tight the four threaded knobs 1

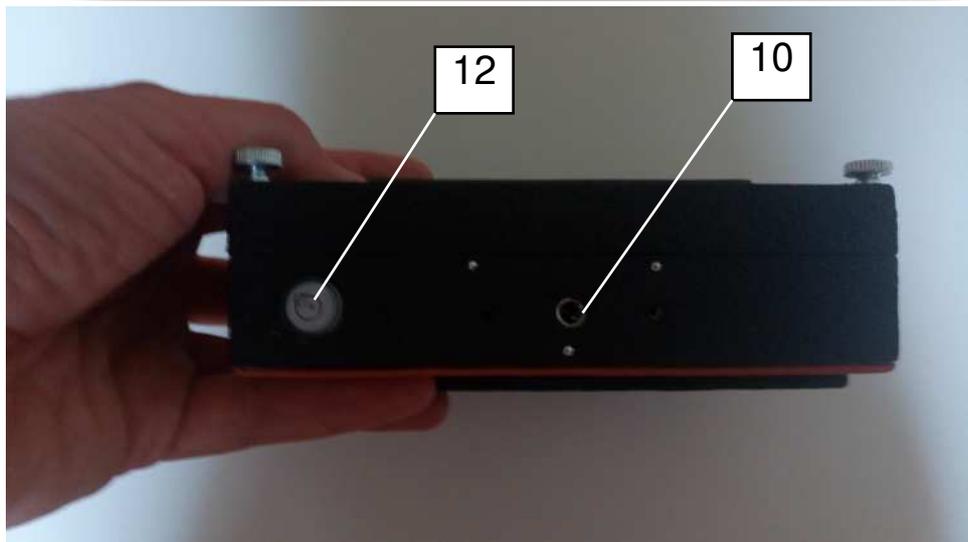
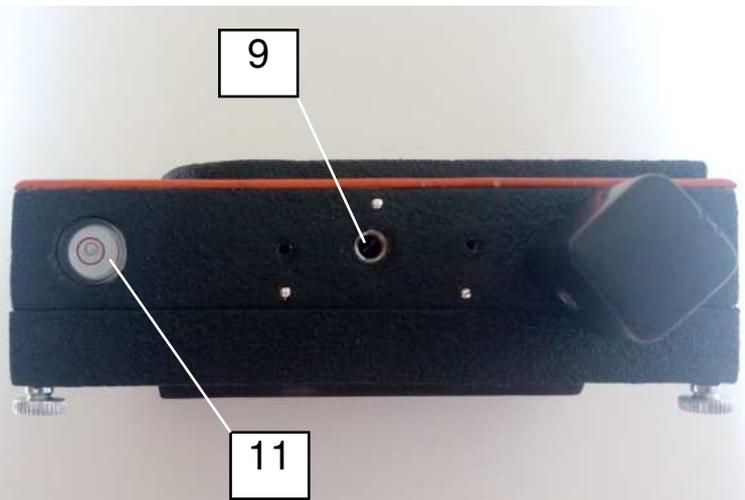


Suggestion:

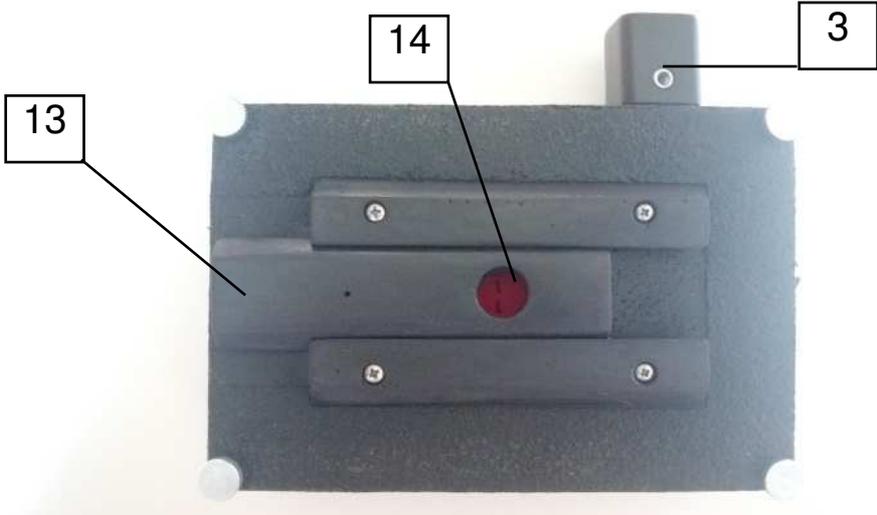
To obtain a perfect closure of the cover 2, tight fours threaded knobs according the follow sequence:
A-B-C-D

Take the photos

Mount the camera on the tripod using threaded holes 9 or 10, otherwise place the camera on a surface that insures the camera in a stable position, bubble levels 11 and 12 help you to level the camera.



Shift the cover 13 until its end stroke to have the porthole 14 visible.



Rotate the knob 3 and winding the film to find the number one printed on the back paper, this means that the film is in the correct position to shoot the first photo.

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The back paper of the 120-Film format has printed a series of progressive numbers to indicate the correct film position before shooting, in relation of the camera format. In the back paper are printed numerations to shooting photos in the follow camera formats:

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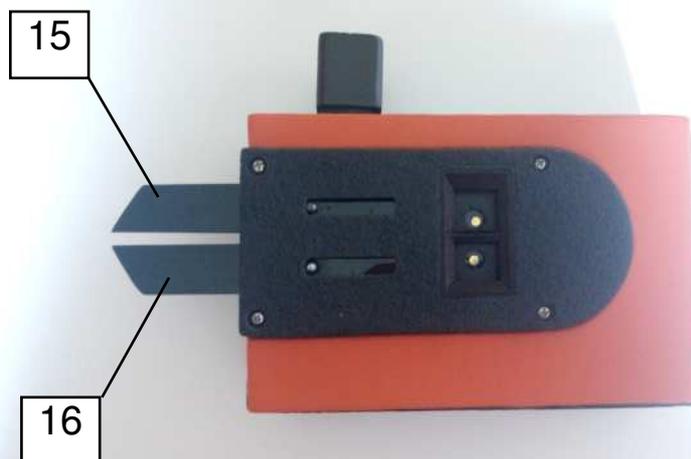
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- 6x4.5
- 6x6
- 6x9

The pinhole camera Auloma Diva 6x6 take photos in the format 6x6, the porthole 14 displays the series of numbers printed in the back paper dedicated for 6x6 camera, thus to obtain twelve pictures well spaced between them, is enough rotate the knob 3 and wind the film to have in the middle of the porthole the number printed in the back paper. Numbers printed on the back paper are in sequence and start from one until twelve.

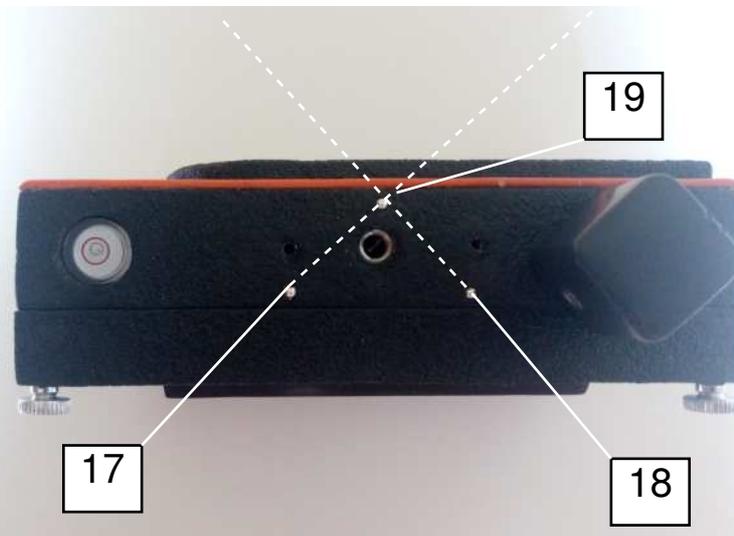
As soon as the correct film position is found, shut-up the cover 13 until its stroke end.

The camera own two pinholes openable through two manual shutters 15 and 16, insured against accidental opening thanks to magnets

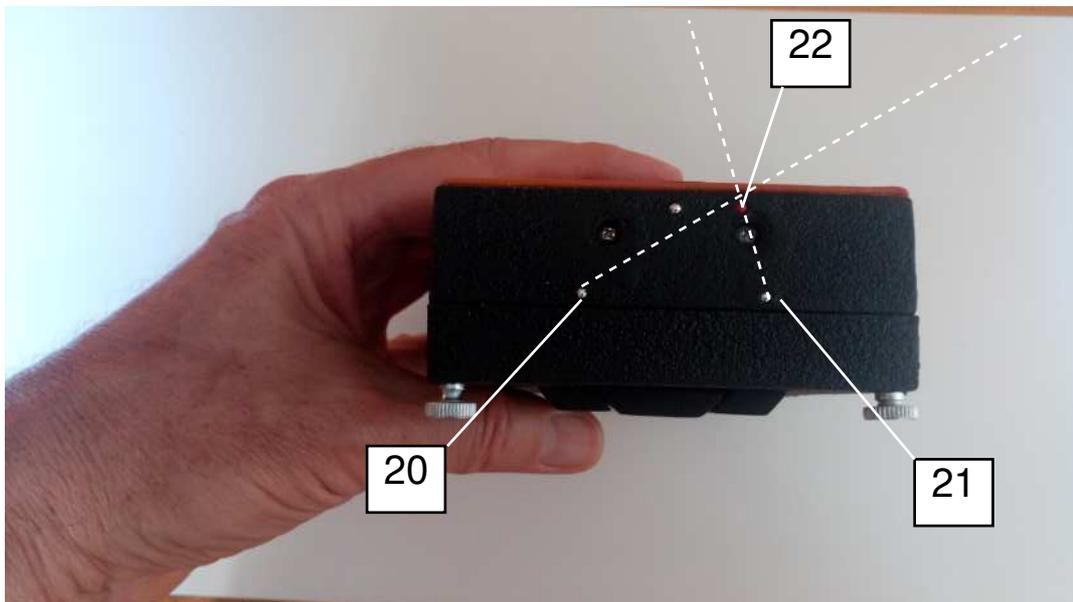


The shutter 16 opens the pinhole lens placed on the framing center, the shutter 15 opens the pinhole lens placed 13.75 millimeters off the central pinhole lens, the shifted pinhole lens allow the horizon curve management. According the connection used to mount the camera on tripod, the final result of the horizon curve management will be opposite.

To each pinhole lens correspond a different scene detectable through the viewfinders available on the camera. To find the scene on the horizontal side of the picture, joint viewfinders 17-19 and 18-19 this is valid for both shutters 15 and 16 with the camera mounted in both tripod connections.

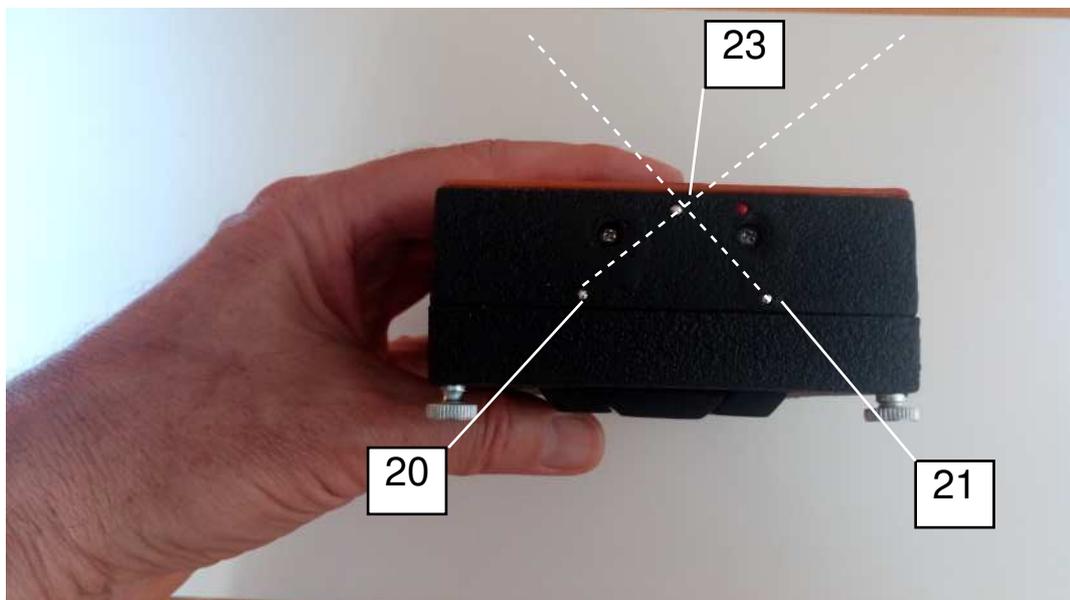


In case is used the shutter 15 the scene on the vertical side of the picture will be determined from the conjunction of viewfinders 20-22 and 21-22. the viewfinder 22 is red.



In case is used the shutter 16 the scene on the vertical side of the picture will be determined from the conjunction of viewfinders 20-23 and 21-23.

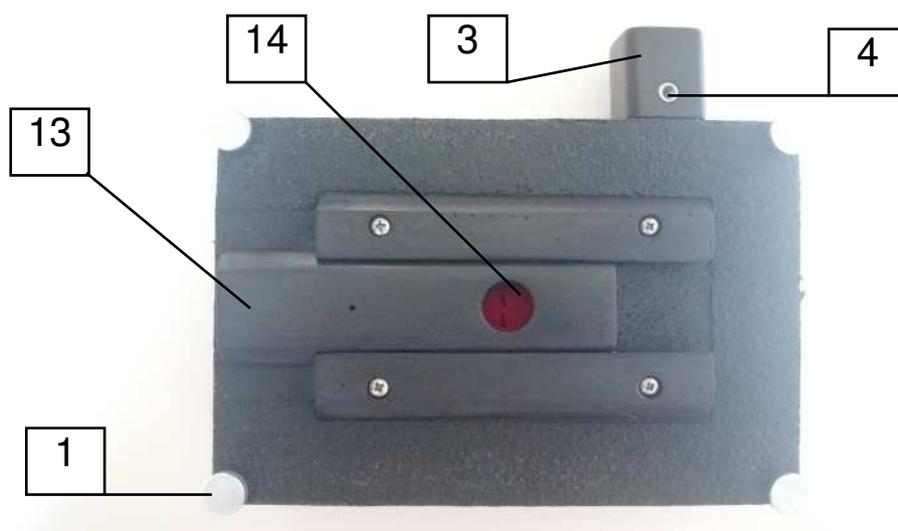
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As soon as you have find the scene and calculated the exposure time, to take the photo pull the shutter until its end stroke and then push the shutter to close the pinhole to end the exposition.

Film roll storage

After take the last photo, shift the cover 13 and rotate in counterclockwise sense the knob 3, check trough the porthole that the back paper is completely passed from this window. Execute with knob 3 further two or three complete rounds to be sure that the film roll is well winded. Release the four threaded knobs 1 end remove the cover 2 from the camera. Place the knob 3 with bush 4 as in indicated in the picture below and then remove the film roll.



Maintenance and cleaning

1. Before inserting the film roll, after removing the cover 2 use a pump with dust filter to clean the inside of the camera and the cover.
2. Clean the outside of the camera with a soft, clean cloth, preferably a dust-capturing cloth or a soft brush.
3. Clean the eco-leather coating using a dampened microfiber cloth. For persistent stains or dirt, use a specific eco-leather cleaner to apply to a soft cloth and not directly to the camera.

Specifications

1. Overall dimensions (HxWxD): 136x175x57mm (5-23/64"x6-57/64"x2-1/4")
2. Weight: 0.675Kg (1,48lb)
3. Material: Composite of polyuretane resin and iron oxide
4. Focal length: 31mm (1"7/32)
5. Pinhole diameter: 0.2mm (0"1/64;)
6. Angle of View: 105° 12'
7. Film stop: f=155
8. Film size: 120
9. Image size: 56mmx60mm (2-13/64"x2-23/64")
10. Tripod thread type:: UNC 1/4"x20
11. Working temperature without film: min -30°C.....max 60°C
12. Storage temperature: min -40°C max 70°C

Storage

Store the camera in an environment with a temperature within the range indicated for storage. The manufacturing material makes it resistant to humid environments, however, it is recommended to store it in a dry environment to avoid possible oxidation of metal components.

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Disposal of the camera



Under no circumstance should you dispose of the camera in normal domestic waste. Dispose of the camera via an approved disposal company of your municipal waste facility. Please observe currently applicable regulations. Please contact your waste disposal center if you need any further information. The following is a list of the materials that compose the camera for ease of disposal:

- Composite of polyurethane resin and iron oxide
- Methyl methacrylate
- Steel
- Polyurethane eco-leather
- Neodymium
- PETG

Disposal of card exposure times



The exposure times card is made of paper material coated with plastic film. Do not release into the environment and please respect the current regulations on waste disposal.

Disposal of instructions manual



The instruction manual enclosed in the package is printed on paper and can be disposed of at your recycling plant.

Disposal of packaging



The packaging is made of recyclable material and can be disposed of at your recycling plant.

Intended use

The camera Auloma Diva 6x6 is used for taking pictures. Do not use the camera for other purposes, Auloma Holding is not liable for damage caused by improper use of the product.

Customer service

To ensure speedy handling of your issue, please email us for assistance

Email: info@auloma.com

Social community

Owning an Auloma pinhole camera allows you to share your experiences and emotions obtained using this product also through dedicated social platforms. If you are interested in sharing your photos with other photography enthusiasts, publish your photos on the dedicated flickr space:

<https://www.flickr.com/groups/auloma/>,

Or share your photos on the web using #auloma tag

<https://www.auloma.com>

<https://attaphoto.com>

<https://twitter.com/aulomaholding>

<https://www.facebook.com/aulomaholding/>

<https://www.instagram.com/aulomaholding/>

Tutorials

Video tutorials to use the camera Auloma DIVA 6x6 are available on our web site at the follow address :

<https://www.auloma.com/en/resources/learning/tutorials.html>

Note:

Cause web site up-grade sometime video tutorial couldn't be available.

In alternative visit our you tube channel:

<https://www.youtube.com/channel/UCLnokIcLj1JCPSlu0VqzuiQ>