

HOLGA

HL-XX Series of Holga Lenses

for Various Brands of Digital Cameras

1. Introduction

The installation of the HL-XX Series Holga Lens to a compatible digital camera will enable the camera to take pictures with Holga 120 camera characteristics like soft focus and dark corners. After the Holga Lens is installed, a whole range of filters and special image effect lenses originally designed for Holga 120 cameras will also become usable to expand tremendously the world of fun which one can enjoy with the digital camera.

Enjoy!

2. Compatibility between Holga Lenses and Digital Cameras

The compatibility of the Holga Lenses in the series with various digital cameras are as follows -

	Model	Compatible Digital Camera Series
1	HL-N	NIKON Digital SLR
2	HL-O	OLYMPUS Digital SLR
3	HL-P	PENTAX Digital SLR
4	HL-S	SONY Digital SLR
5	HL(W)-OP	OLYMPUS PEN Non SLR Changeable Lens Digital
6	HL(W)-PLG	PANASONIC LUMIX G Non-SLR Changeable Lens Digital
7	HL(W)-SN	SONY NEX Non-SLR Changeable Lens Digital
8	HL(W)-SSN	SAMSUNG NX Non-SLR Changeable Lens Digital
9	HL-N1	NIKON 1 Non-SLR Changeable Lens Digital
10	HL-CM	CANON EOS M Non-SLR Changeable Lens Digital

3. Applicability of This Manual

This manual is applicable to all the Holga Lenses as listed in Section 2 above.

4. Parts of the Lens

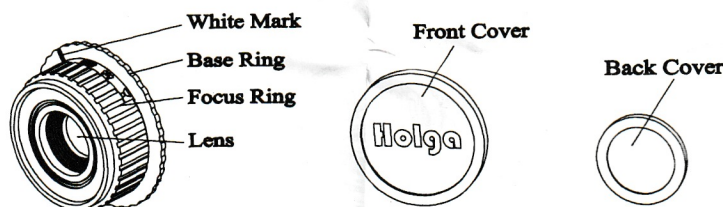


Fig. 1

5. Installation and Removal

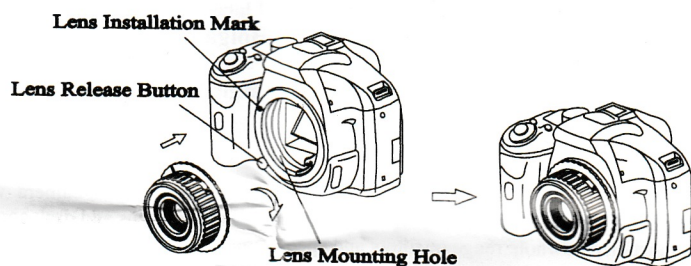


Fig. 2

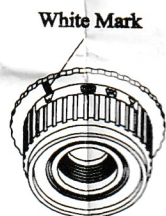
5.1. Installation

- (a) Remove the original lens from the digital camera and also remove the Front and Back Covers from the Holga Lens.
- (b) Place the Holga Lens over the Lens Mounting Hole on the camera, matching the White Mark on the Base Ring to the Lens Installation Mark on the body of the camera. See Fig. 2.
- (c) Turn the Base Ring of the lens in the direction for lens installation as explained in the manual for the camera concerned until a "click" sound is heard, indicating that the lens has been secured in place. Installation is completed.

5.2. Removal

- (a) Press down the Lens Release Button on the camera.
- (b) Turn the Base Ring of the lens in the direction opposite to that of lens installation until the White Mark on the Base Ring is now back to and matching the position of the Lens Installation Mark on the body of the camera.
- (c) Remove the Holga Lens.

6. Focusing






(Same White Mark as in Section 5.1. on Installation above)

Fig. 3

The lens has approximate focusing ability. Focusing is carried out with the help of four different markings on the Focus Ring of the lens as follows -

- (a) The four markings on the Focus Ring indicates the following distances -

Marking	Distance
	0.7 m
	2.0 m
	6.0 m
	10 m

- (b) Judge the distance of the object from the camera and turn the Focus Ring until the White Mark is pointing at a position appropriate for the distance as per the table above. It is possible to set the Focus Ring with White Mark pointing at a position between any two of the above distance markings when the distance is in between those indicated by the two distance markings concerned.

7. Shooting Pictures

Take following steps -

- Remove the Lens Cap.
- Set the camera to the manual operation mode.
- Judge the lighting condition of the environment and set the aperture. Find the best setting through trial and error. Use an electronic flash if needed.
- Set the Focus Ring according to the distance of the object.
- Press the shutter to take the shot.

8. Some Suggestions

- When taking pictures indoor or in environments where illumination is insufficient, use a flash light.
- If the exposure of the picture taken is too much or insufficient, better results can be obtained by adjusting the shutter speed and/or the exposure value of the camera.
- Always check to make sure that the lens cap has been removed before taking a picture.
- Always try to shoot a picture in a direction with the sun or light source behind the camera.
- Always depress the shutter release button gently so as not to jerk the camera.
- Never take pictures with the object at less than 0.7 meter from the camera.
- Always use professional lens cleaning paper or very soft fabric to clean the lens.

9. Holga 120 Accessories Usable Together with Holga Lenses

Once a digital camera is installed with the Holga Lens, the possibilities of using a whole range of filters and special image effect lenses (available for purchase separately) originally designed for Holga 120 cameras are open. These accessories include -

9.1. Lens/Filter Holder, Filters and Special Image Effect Lenses

- 9.1.1. **Lens & Filter Holder (LFH-120/135)** - This is for attaching to the bezel of the Holga Lens to enable the camera to take on the special image effect filters and lenses described below.

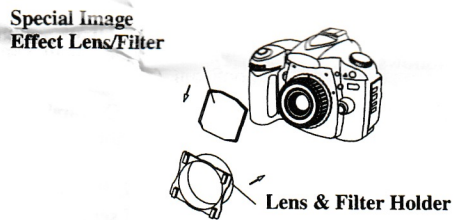


Fig. 4

- 9.1.2. **Color Filters (CFS-120/135)** - Color filters are for altering the color temperatures of the object and the background to enhance the artistic effect of the picture. There are four different filters available to bring about the following effects –

Blue	To raise the color temperature e.g. to simulate beautiful moon light when taking pictures in the country side.
Red	To reduce the absorption of blue and green lights.
Yellow	To reduce the absorption of blue light to correct the sensitivity of full color films to lights in the blue to purple range.
Light Orange	To lower the color temperature to remove the cold tone in flash light to accomplish warmer light source effects.

- 9.1.3. **Soft Surround Lenses (SSFS-HL)** - These lenses have a clear circular area in the middle and the remaining areas frosted. They are for standing out the object to be taken to make the theme of the picture more prominent. Four colors - blue, red, orange and grey are available for selection.

- 9.1.4. **Dual Color Filters (DCFS-120/135)** - These are filters with one half in one color and the other half another. They are good for generating special color effects. There are six filters in a set in the color combinations of red/yellow, red/blue, red/grey, yellow/blue, yellow/grey and blue/grey respectively.

- 9.1.5. **Split-Image Lenses (SILS-HL)** - There are four types as follows –

Quadruple Images	= 4 images will result, just like four exposures.
Horizontal Triple Images	= 3 images lined up horizontally.
Triangular Triple Images	= 3 images in the three vertices of a triangle.
Double Image	= 2 images will be generated.

9.2. Special Focal Effect Lenses

The following special focal effect lenses are available -

- 9.2.1. **Fisheye Lens (FEL-HL and FEL-HLW)** - These are extremely wide angle lens for creating extreme distorted images. When using this lens, the focus of the Holga Lens must be set at Δ .

The two lenses FEL-HL and FEL-HLW are for different models of cameras as follows -

FEL-HL For Canon, Nikon, Olympus, Pentax , Sony digital SLR cameras and Pentax Q,Nikon 1 non-SLR changeable lens digital cameras.

FEL-HLW For Olympus PEN, Panasonic Lumix G, Sony NEX , Samsung NX and Canon EOS M series non-SLR changeable lens digital cameras.

- 9.2.2. **Wide Lens (HW-05)** - The installation of this lens will reduce the focal length and increase the lens angle, enabling the image to cover a wider area.

When using this lens, the focus of the Holga Lens must be set at Δ .

- 9.2.3. **Tele Lens (HT-25)** - The installation of this lens will increase the focal length and reduce the lens angle, resulting in telescopic effects to create a bigger image on the film. The magnification power of this lens is 2.5X.

When using this lens, the focus of the Holga Lens must be set at Δ .

- 9.2.4. **Close-Up Lens Set (CLS-1)** - There are three lenses in the set for taking pictures of objects at distances of roughly 120mm (CL-120), 250mm (CL-250) and 500mm (CL-500) respectively to bring about close-up image effects.

- 9.2.5. **Macro Lens Set (MLS-1)** - There are two lenses in the set for taking pictures at really close distances of roughly 60mm (ML-60) and 30mm (ML-30) respectively for macro photography.