INSTAR

4 mm Wide-Angle Lense for IN-5907HD

QUICK Installation Guide

Content of delivery: 1x Wide-angle lense; 4x screws; 4x spacer; 4x springs; 3x diffuser lenses; 1x installation guide

INSTAR Germany GmbH hereby ensures that you will not loose your warranty by installing this additional lense.
ATTENTION: Any damages caused by the user due to faulty installation are excluded from the warranty.

Fig.1

Fig.2

Fig.3

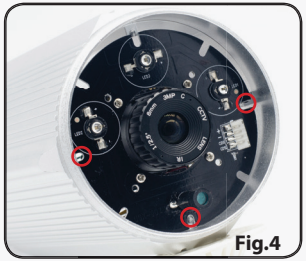

Fig.4

Step 1: Remove the top cover by gently pulling it in the direction of the lense. Hold the back of the camera and remove the front cover by turning it counter clockwise. Remove all three reflectors from the infrared LEDs and keep them for the use in the future (**Fig. 2 & 3**). They will later be replaced by special diffuser reflectors (**Step 11**).

Step 2: There is a black cover sheet directly above the LED board. Please remove this cover to get access to the screws beneath. For a clearer view, the following pictures won't show the camera casing.

Step 3: Remove all 3 screws on the sides which are holding the LED board in place. Then carefully take out the whole unit which consists of LED board, lense and the sensor unit (**Fig. 4 & 5**).

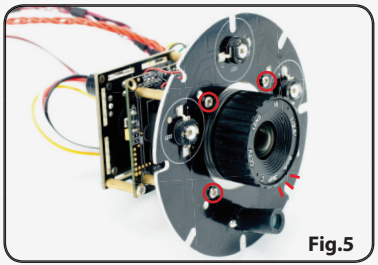

Fig.5

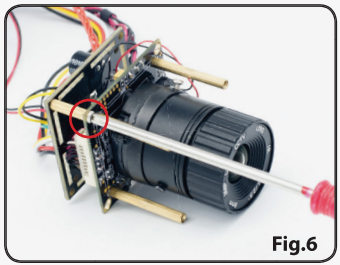

Fig.6

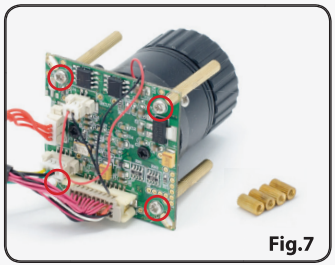

Fig.7

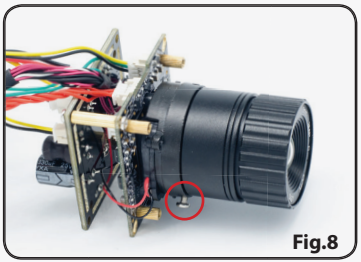

Fig.8

Step 4: Loosen the four screws connecting the LED board to the long gold coloured spacers (**Fig. 5**).

Step 5: Loosen the two outer screws at the opposite corners to get access to the four inner screws which are holding the four long spacers in place (**Fig.6**). Remove the long spacers and replace them with the included short spacers (**Fig. 7 & 8**).

Step 6: Remove the screw securing the lense. Grab the lense at the bottom and unmount the lense by turning it counter clockwise (**Fig. 8**).

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Step 7: Please take the new wide-angle lense and mount it in the lense mount by turning it clockwise. Screw it all the way in and fasten the fixing screw on the lense mount in order to secure the lense (**Fig. 9**).

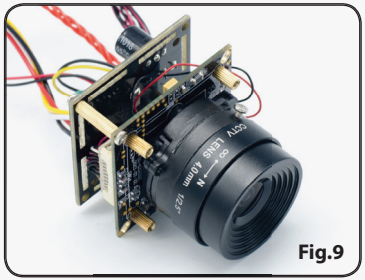

Fig.9

Step 8: After the installation you will need to adjust the focal point of the lense. To do so you need to untighten the fixing screw on the outer ring of the lense (**Fig. 9**). Now connect the camera to your network and open the camera's web interface in your web browser. While keeping an eye on the cameras live video, slowly turn the front part of the lense to the left or to the right until you get a sharp and clear image. Once done please fasten the fixing screw to keep this setting.

Notice: The outer ring is the part of the lens with the specification printing.

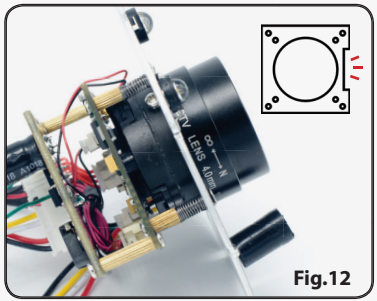

Fig.12

Step 9-2: The sensor board has a cut-out on the right side. The LEDs on the LED board are on top while the brightness sensor is at the bottom (**Fig.12**)

Step 10: Now put the whole front part back into the camera casing and secure it with the three outer screws removed before in Step 3 (**Fig. 4**). You will now need to move the lense closer to the glass cover. In order to do that, you need to fasten the four screws on the LED board by one turn (**Fig. 13**). Dont turn them too far since that would cause the lense to come to much frontward which will give-pressure to the front glass and you will risk damaging the front glass of your camera permanently.

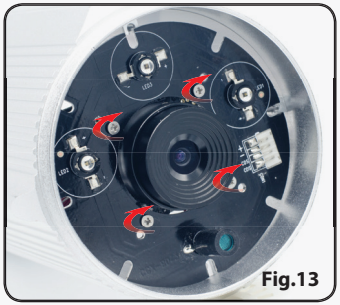
Fig.13

Step 11: You now may reapply the black front sheet cover to the LED board. But please make sure you won't need any further readjustment of your lense first. This package includes special diffusing reflectors for the extended viewing angle. Simply plug them on top of the infrared LEDs like the original reflectors from **Fig. 2** used to be.

Step 9-1: Now to the complicated part: Take a spring from this Upgrade Pack and place it between the LED board and a short spacer. Use the included long screws to lock this construction in place by fastening the screw onto the short spacer. Repeat this for the remaining three spacers (**Fig. 10, 11 & 12**).

For now it is only required to fasten the screws by two turns.

Important! Please make sure the LED board and the sensor board are aligned correctly! (**Fig.12**)

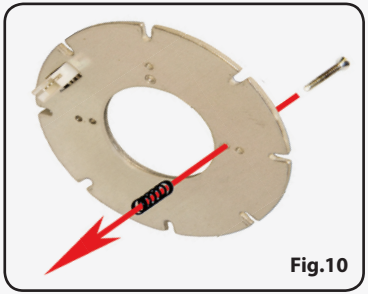
Fig.10

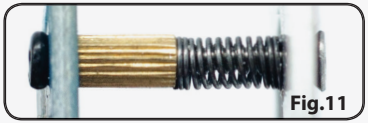
Fig.11

Step 12: At last, carefully screw the front cover back on the casing by turning it clockwise. Make sure to screw it on tightly but without breaking the front glass. In case the wide-angle lense sticks out too much, you will have to refer to **step 10.** Slide the top cover back into position (see **Fig. 1**) and enjoy your new wide-angle lense.

Important: In case you see reflections when it is dark and the IR LEDs are activated, you can fix that by sliding the top cover more to the back. You can also use the original reflectors to limit the illumination angle.

Having troubles with assembling your new lense? You will find more detailed instructions on our website as well as video tutorials for selected camera models. INSTAR also offers an installation service for a small fee.