INSTAR

4 mm Wide-Angle Lense for IN-5907HD

QUICK Installation Guide

Content of delivery: 1x Wide-angle lense; 2x screws; 2x springs; 2x spacers; 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 by faulty installation are excluded of the warranty.

Fig.1

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 counter clockwise. There is a black cover sheet directly above the LED board. Please remove this cover to get access to the screws beneath.

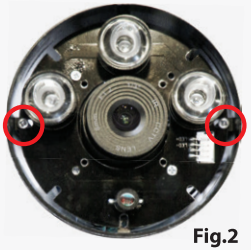

Fig.2

Step 2: Remove both screws on the side 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. 2).

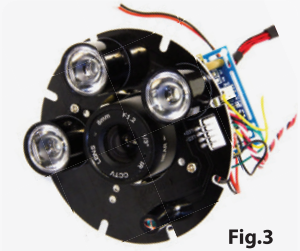

Fig.3

Fig.4

Step 3: Remove all three reflectors from the infrared LEDs. They will be replaced by special diffuser lenses (**Step 10**).

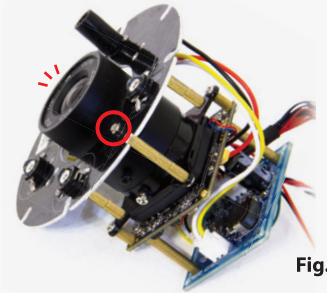

Fig.5

Step 4: Loosen the two screws connecting the LED board to the long gold coloured spacers. Now unplug the cable which is connected to the LED board.

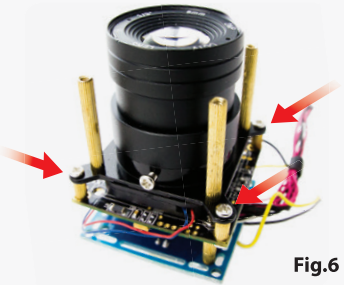

Fig.6

Step 5: Now unmount the lense holder by loosening the 4 screws on each corner. This will make the 4 long spacers more accessable.

Fig.7

Step 6: Remove the spacers. Then loose the fixing screw. Grab the lense at the bottom and unmount the lense by turning it counter clockwise.

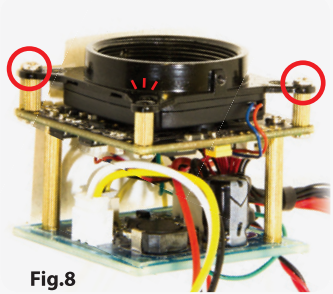

Fig.8

Step 7: Make sure you have removed the whole lense. Now remount the lense holder with 2 screws on 2 opposite facing spacers.

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Step 8-1: Now to the complicated part: Take a spring from this Upgrade Pack and place it between the LED board and the lense mount. Use the included long screws to lock this construction in place by fastening the screws to the lense mount and the 2 spacers we have left untouched in **Step 7**. For now it is only required to fasten the screw by two turns. Repeat this procedure on the other side for the free spacer. After that you can reconnect the LED board with the cable from the sensor unit (**Step 4**).

Fig.9

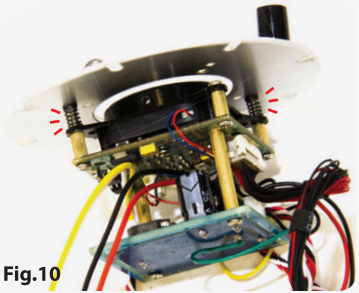

Fig.10

Step 8-2: Don't worry about this seemingly unstable construction. It is required to minimize the pressure to the front glass.

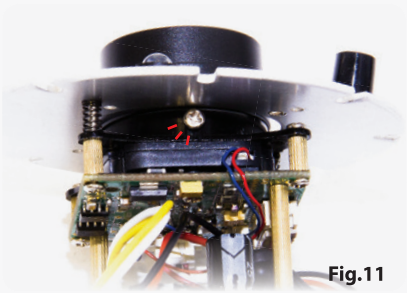

Fig.11

Step 9: Now mount the wide-angle lense in place. Screw it all the way in and fasten the fixing screw.

Step 10: This package includes special diffusers to compensate for the extended viewing angle. Simply plug them on top of the infrared LEDs like the original reflectors from **Fig. 3** used to be.

Step 11: Now put the whole front part back into the camera casing and put the two outer screws back in place to reconnect it with the casing. Please don't close the camera with the front part yet.

Fig.12

Step 12: After the installation you will need adjust the focal of the lense. To do so you will need to untighten the fixing screw on the outer ring of the lense. Now connect the camera to your network and open the camera's web interface. While keeping an eye on the camera stream slowly turn the front part of the lense until you get a sharp picture. Now fasten the fixing screw to keep this setting. Carefully screw the front cover back on the casing by turning it clockwise. Your camera is now fully operational.

Fig.13

Step 13 (optional): After reassembeling you might notice that there is a dark frame on the camera picture. Due to the nature of wide-angle lenses you will need to reposition the lense. In fact you will need to get the lense closer to the glass cover. You can do that by fastening the two screws connected to the springs and the spacers by one turn (**Fig. 13**). Put the front part back on and check the camera picture. If still visible, please repeat.

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.

www.instar.de