

Häns Heiss

Hand- held Fundus Camera

Service Manual

HFC-009 PLUS



MERCOFRAMES
OPTICAL CORP

+1305-882-0120

5555 NW 74Av.

Miami, FL 33166

sales@mercoframes.net

www.mercoframes.com

1. Warranty

Mercoframes one-year free warranty for the device. The warranty period starts from the goods leaving the factory.

2. Maintenance and Cleaning

1. Check the device and parts regularly.
2. Please remove the plug when the power is full to avoid over charging.
3. Please take the battery out when you don't need to use the device for a long time.
4. If you don't use the battery for a long time, please charge the battery every 3 months.
5. Please check the device before use it again after long time storage.
6. Please put on the protection cover onto the scope and put the device into the suitcase if you finish using the device.
7. Please do not wipe the lens with hand or hard object or any corrosive detergent.
8. If there is dirt or other dust attached on outward surface of lens, please clean the lens in following way:
 - 1) Blow away dirt gently.
 - 2) Prepare solution made of Ethanol and Diethyl ether mixed at 2:8.
 - 3) Dip degreasing cotton to the solution mentioned above and clean the lens surface starting from the center. You can clean it repeatedly if necessary. Please do not clean it roughly to avoid scratch.



Take off the rubber part gently and clean the circled part.

3. Trouble Shooting

Situation 1: Device shut down and restart automatically when press shooting button.

1) Battery power is low.

Solution: Recharge.

2) Batteries are ageing.

Solution: Replace new batteries.



3) The output voltage or capacity of battery is low.

Solution: Use our suggested battery.

Battery suggestion:

Model: NCR186501P1S Rechargeable Li- ion Battery

Capacity: $\geq 3400\text{mAh}$

Output: 3.7V



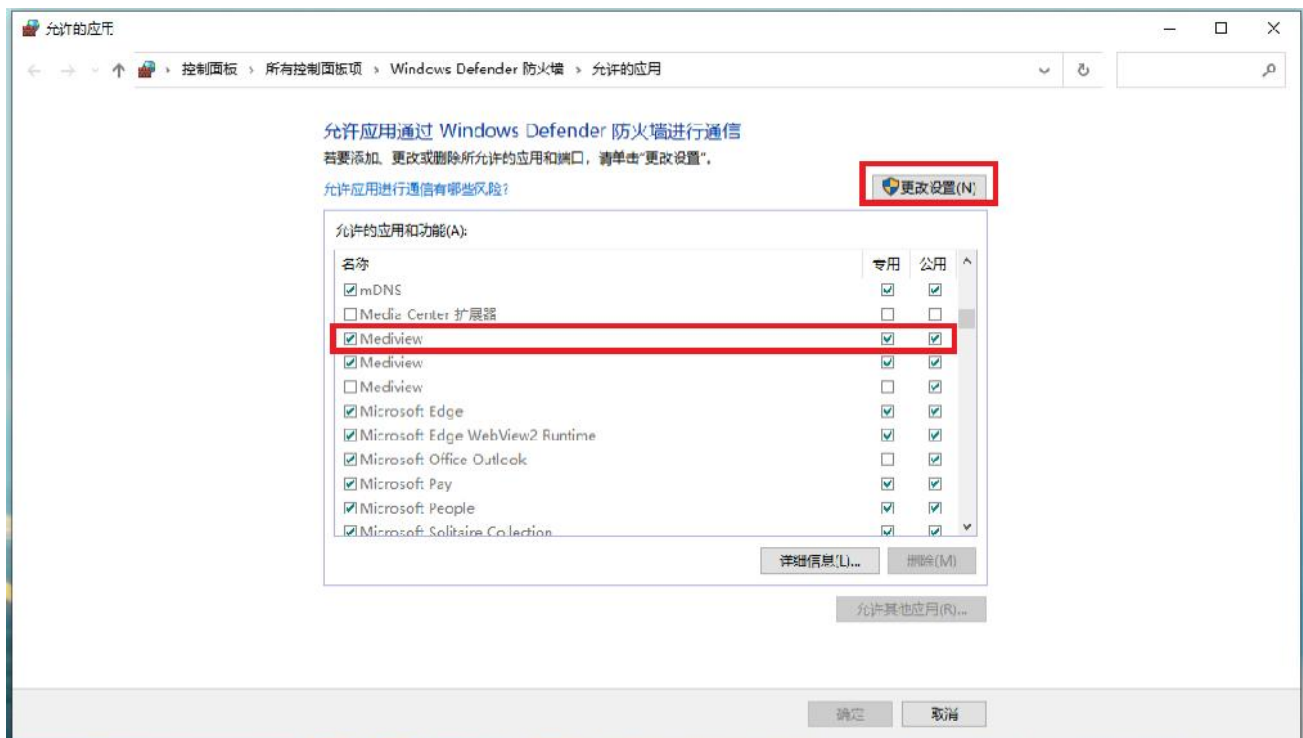
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Situation 2: Image can't be transmitted to Medview software by WiFi connection.
 Please check following options:

- 1) Please create patient before starting WiFi transmission.
- 2) There mustn't be any special symbols in patient name.



3) Please shut Windows Firewall or add Mediview to Windows Firewall white list before operation.



4) Please tick "Obtain an IP address automatically" and "Obtain DNS server address automatically" in IPv4 properties of connected WiFi.

Replace the battery compartment bottom ring.

Open the bottom cover and take out batteries



Loose these 4 screws



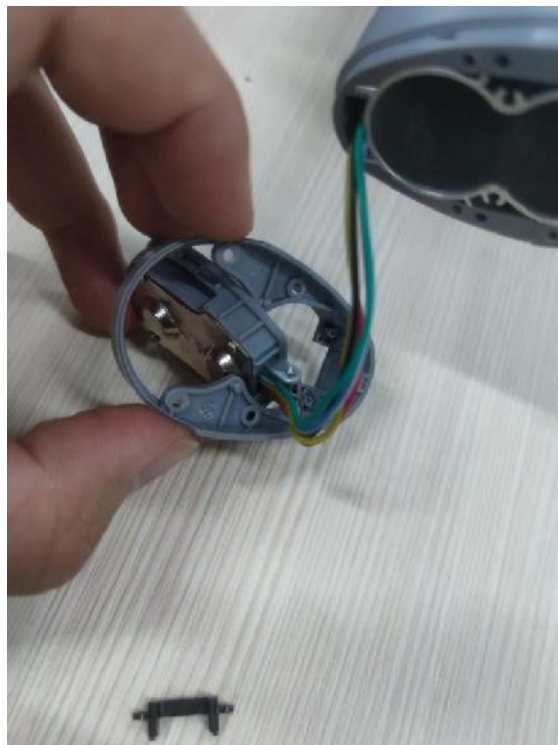
Peel off the bottom ring



Adjust the length of the cable, then loose these two screws and remove the black pedestal.



Now the bottom ring can be removed.



Put a new ring on the same position.
Adjust the length of the cable.
Reinstall the device in the above method

Caution: It is easy to damage the cable, please adjust the cables very carefully.

Replace the back component

Remove this surface cover



Open the bottom cover and take out batteries



Loose these 4 screws



Peel off the bottom ring



Use a sheet to remove the screen protector and place it in a dust- free environment.



Loose these 8 screws



Detach the back component.



Disconnect the Plug between two component.



Caution: It is easy to damage the cable, please unplug/plug the cables very carefully.

Replace a new back component.



Reinstall the device in the above method. Don't forget to install the switch bottom.



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