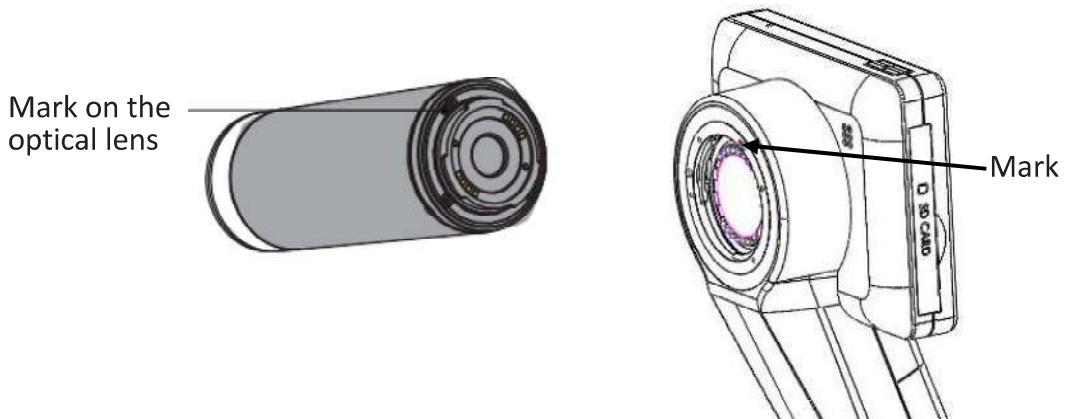


# Assembling

(Take Digital Eye Fundus Camera as an example.)

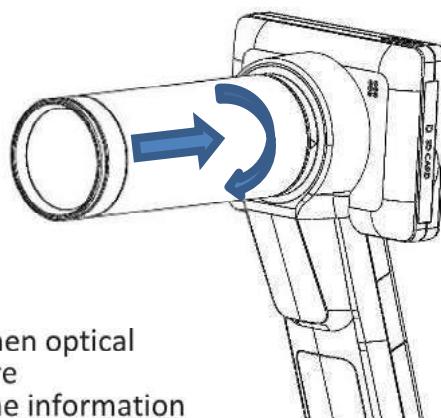
## Step 1. ↘

Align the marks of the optical lens and control unit.



## Step 2. →

Hold the optical lens and attach it to the control unit. Rotate and fasten the optical lens in a clockwise direction. You will hear a click when the lens locks into the control unit.



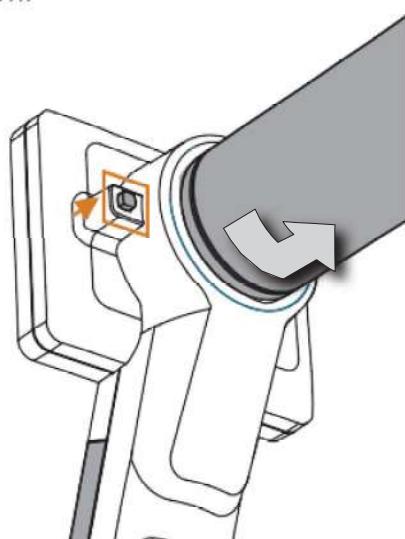
## Step 3. ←

Turn on the power. When optical lens and control unit are assembled correctly, the information icons will appear on the top of LCD touch panel. The screen will turn on, and then the blue light of the power indicator will also turn on.



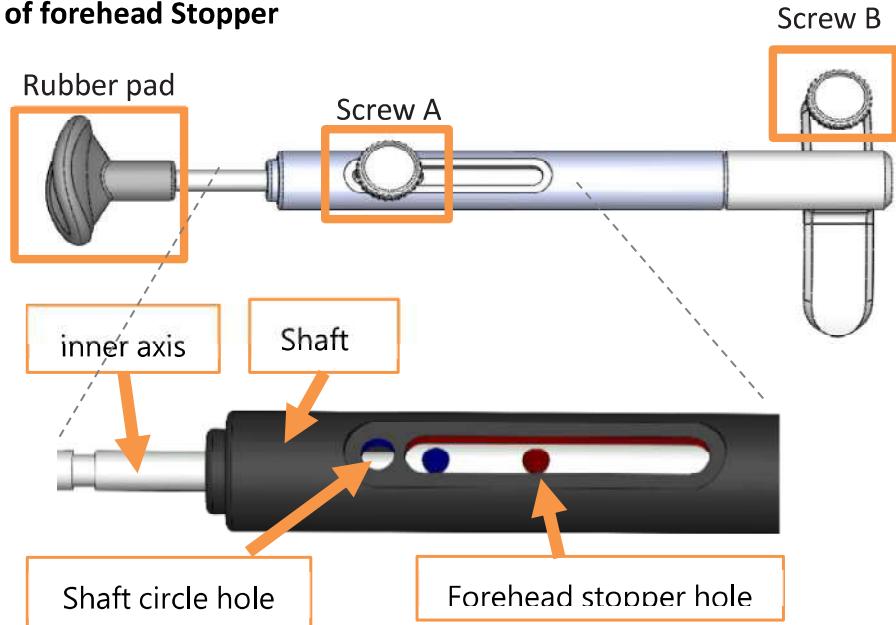
## Step 4. →

To unlock the optical lens, press the lens lock and then rotate the optical lens in a counterclockwise direction. Then the optical lens will be unfastened.

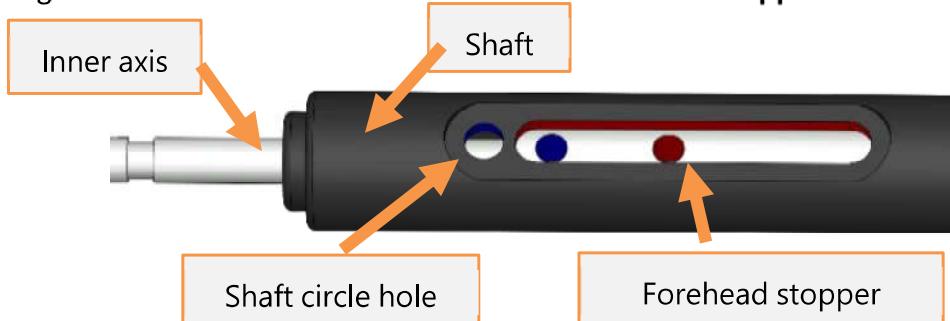


## DEA200P Forehead stopper assembly

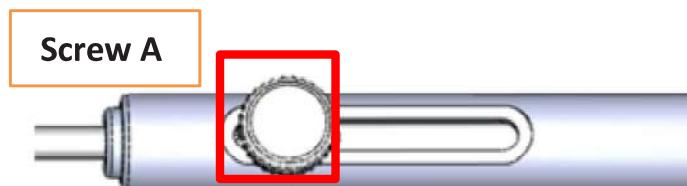
### Structure of forehead Stopper



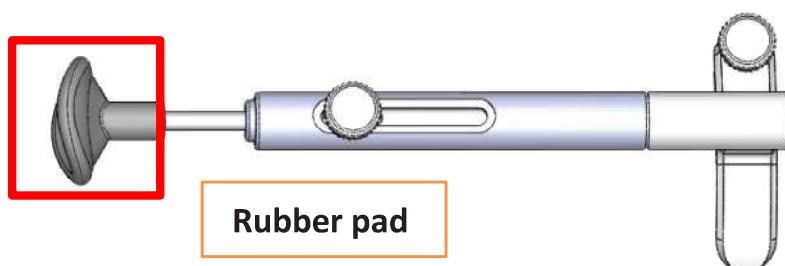
Step 1: Rolling the **inner axis** and the **shaft** to find out **forehead stopper hole**.



Step 2: Tighten **screw A** in clockwise direction to **forehead stopper hole**.



Step 3: Assemble **rubber pad** to the front end of **inner axis**.



# Using the Setup mode

## Turn on the power

To turn on the system, press the power button to turn on the control unit. Approximate-ly one to two seconds later, the boot screen will appear on the LCD panel.



### **Note:**

When below conditions occur, user needs to turn off the power and reassemble the optical lens and control unit.

1. Optical lens isn't correctly assembled to the control unit.  
→ When turning on the device, the device stays at boot screen and can't enter to control interface.
2. The black screen appears on the LCD panel during operation.  
→ Please check the optical lens is well-assembled to the control unit.

## A. DEC 200

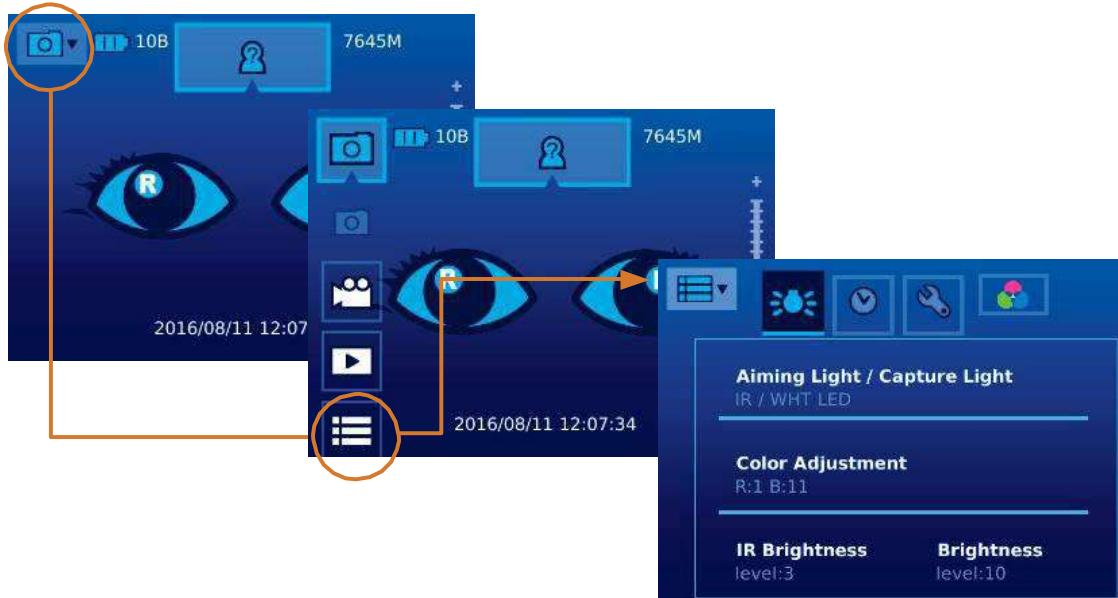
### Enter the Setup mode

#### *Using the [Setup] menu*

It is recommended that all setting items are set according to user's requirements for first time use.

#### *Bring up the [Setup] menu*

Touch the photo icon and then touch the setup icon.



### Exit the [Setup] menu

Once a setting adjustment is made, the new value affects the system immediately.  
Use the upper back button  or the OK button to exit the screen.

## Settings

### [Aiming Light/Capture Light]

The default setting of [Aiming Light/Capture Light] is [IR/White LED]. In the setting, DEC 200 employs IR illumination for alignment and focusing to assure patient comfort. With IR, the user observes fundus images monochromatically. At the moment of pressing the shutter button, the system will turn on the white LED instantly. Static images and motion pictures will be captured in full color.



If the setting is [White LED/White LED], then the user observes images in full color and capture static images and motion pictures in full color.

### [IR brightness]

The IR brightness has 5 levels; the default setting is level 3. The range is from 1 to 5.



### [WHT brightness]

The WHT brightness has 16 levels; the default setting is level 10. The range is from 0 to 15.



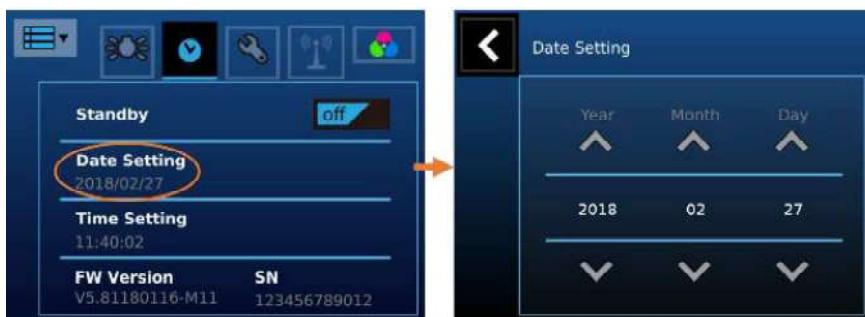
### [Standby]

User can set standby mode to be on or off. Once the mode is on, the LCD panel will be turned off if the system is idle for three minutes. Tap on the item to toggle the setting.



#### [Date Setting]

User can change the current date setting from the screen.



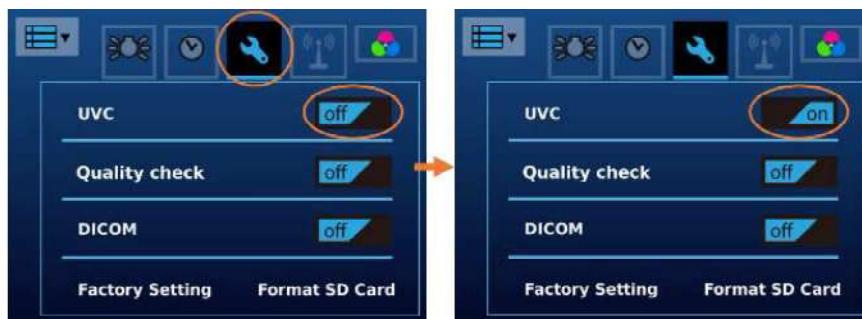
#### [Time Setting]

User can change the current time setting from the screen.



#### [UVC]

While connecting DEC 200 to a computer via USB cable, the product works as a USB storage device. If UVC mode is on, pictures can be shown both on the LCD panel of the product and the screen of the computer. To display image on the computer, please install webcam application prior to enabling UVC mode. A freeware webcam application (e.g., Horus UVC view, Amcap) is a software that can receive UVC signal on the computer. User can search for relevant information over the Internet.

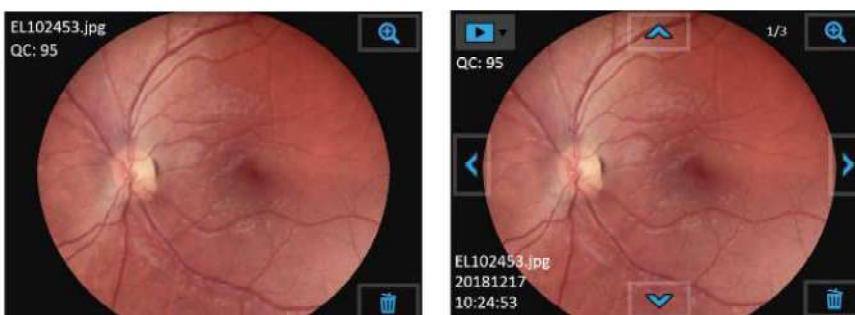
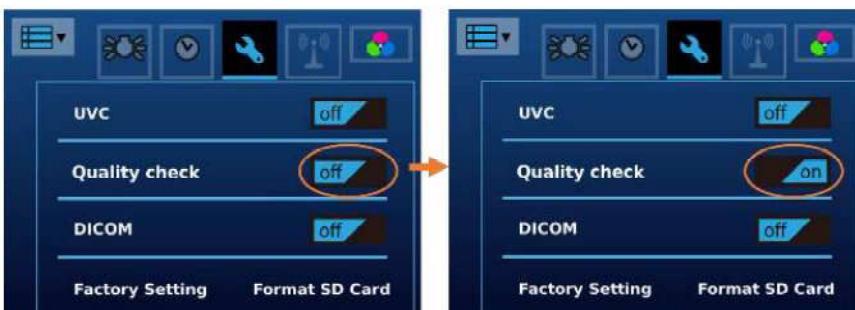


**iHorus UVC View**

Free UVC viewer is available in any search engine.

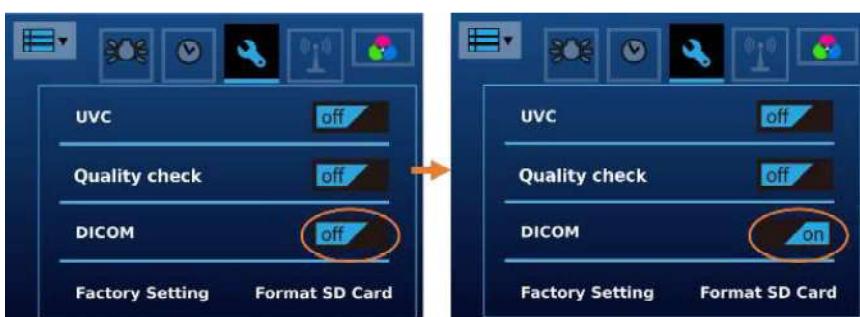
### [Quality check]

User can turn on or turn off the quality check function. If quality check function is on, the device will take a few seconds to analyze the quality of the image and then the quality score will be shown on the screen in preview and display mode. The score above than 60 means the image quality is good enough



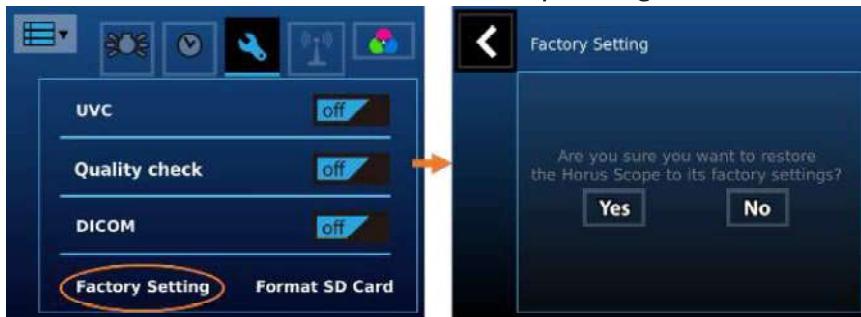
### [DICOM]

Export image with or without DICOM format.



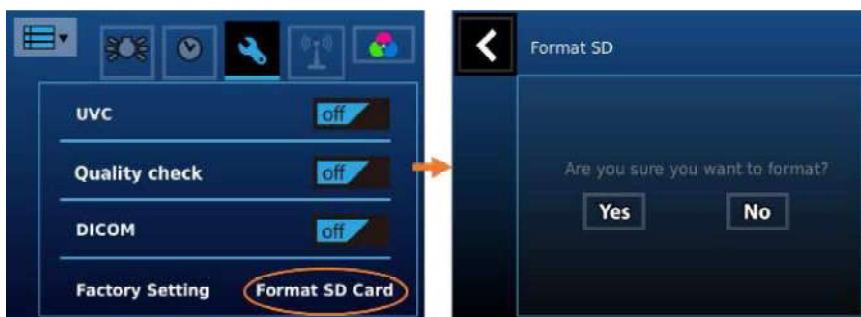
### [Factory Setting]

User can recover the device to its factory settings.



### [Format SD Card]

User can format the SD card.



#### NOTE

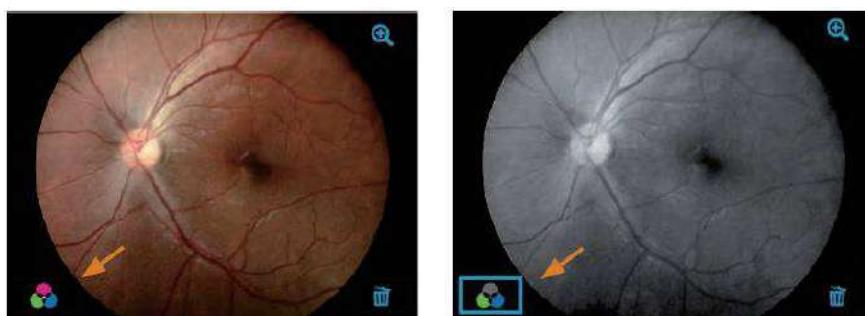
All information will be deleted after SD card is formatted.

### [Red Free Function]

DEC 200 allows digital red free images to be created directly from the information of the initial color image.



After turn on red free function, it will take more than 3 seconds to do image process after shooting. And there is a red free switch icon at the left-down corner of image. By press the icon to switch image into red free mode.



## Wireless connection

[Wi-Fi/Bluetooth]

User can turn on/off the Wi-Fi/Bluetooth.



### Note

Wi-Fi and Bluetooth function cannot be on at the same time.

[Wi-Fi setting – Direct Mode]

User can select "Direct mode" to connect DSC 300 with PC directly.



### Note

Password shall be 8+ letters & numbers.

### [Wi-Fi setting – AP Mode]

User can select “AP mode” to connect to internet through an AP.



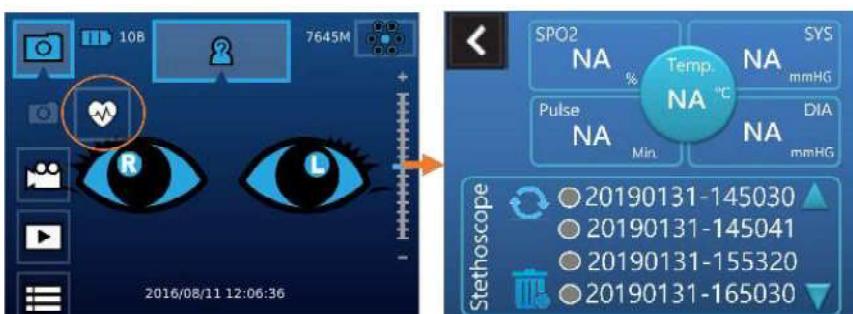
### [Bluetooth setting]

User can turn on the Bluetooth function and collect the data from specific vital sign devices.

When the Bluetooth is on, the vital sign collection icon will be shown on menu. Click it to enter



the collection page.



## B. DEA 200

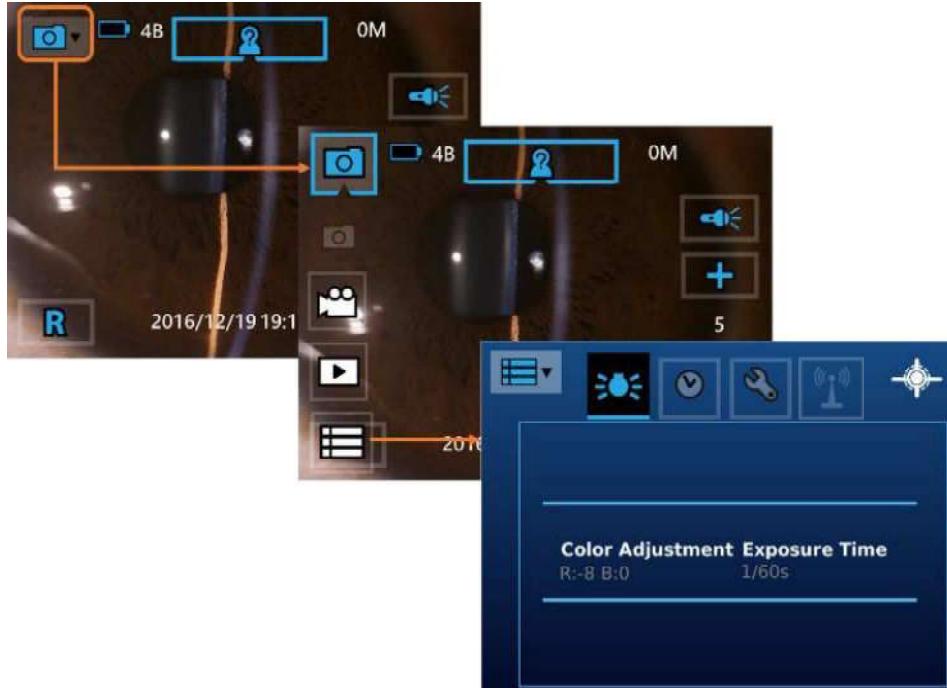
### Enter the Setup model

#### Using the [Setup] menu

It is recommended that all setting items are set according to user's requirements for first-time use.

#### Bring up the [Setup] menu

Touch the photo icon and then touch the setup icon.



#### Exit the [Setup] menu

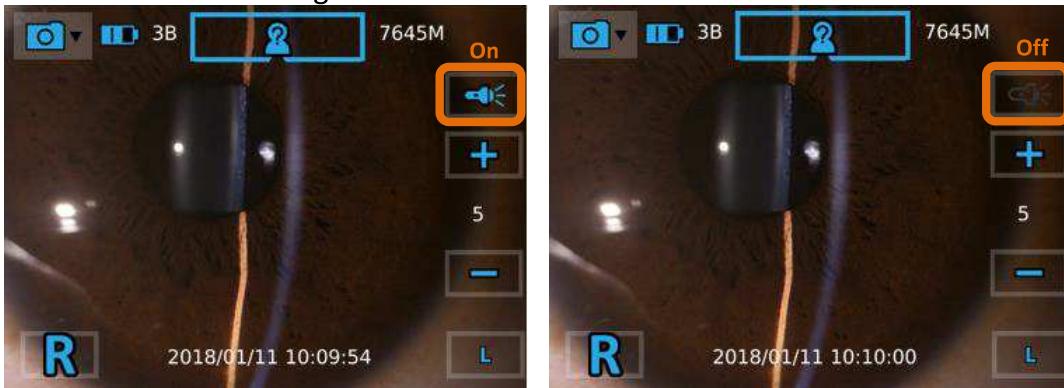
Once a setting adjustment is made, the new value affects the system immediately.

Use the upper back button or the OK button to exit the screen.

### Settings

#### [Background Illumination]

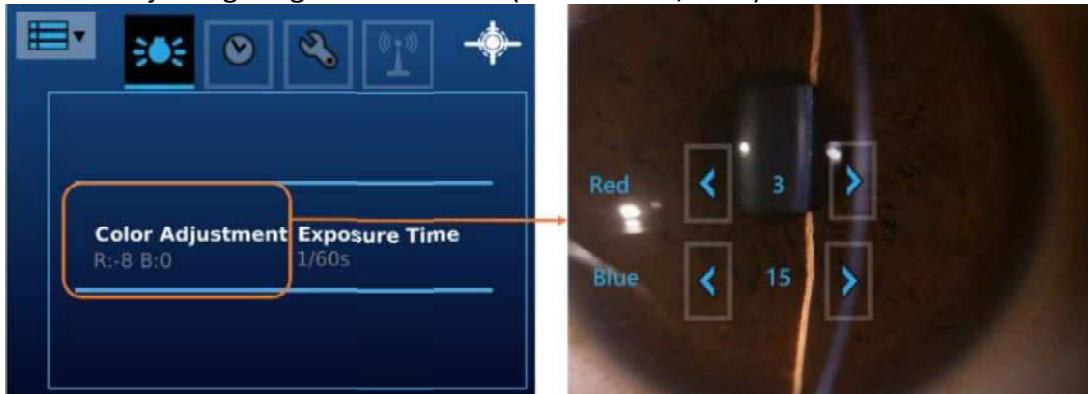
User can turn on/off and adjust brightness of the background illumination by icon in live view mode. The brightness levels are between 0B to 5B.



### [Exposure time/Color]

User can adjust Exposure time/Color setting by touching the corresponding column

1. Exposure time from 1/30" to 1/120". (Default: 1/60")
2. Color adjusting range from 0 to 20. (Default: R:3, B:15)



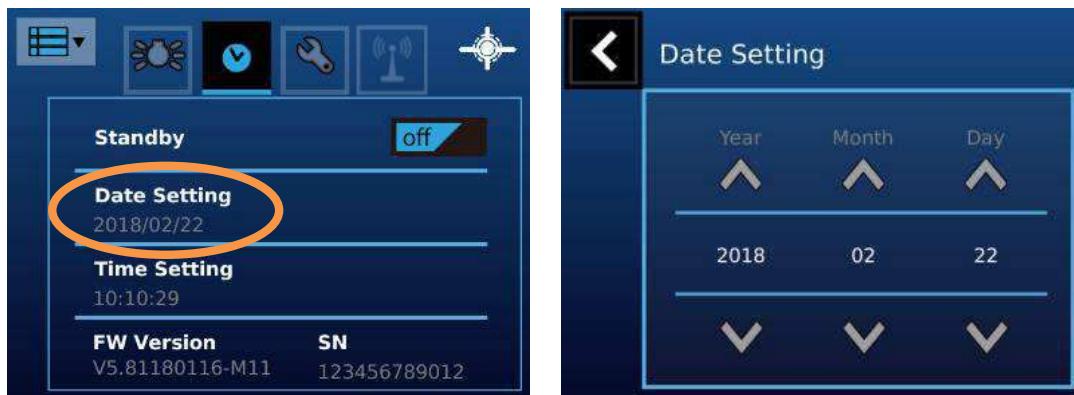
### [Standby]

User can set standby mode to be on or off. Once the mode is on, the LCD panel will be turned off if the system is idle for three minutes. Tap on the item to toggle the setting.



### [Date Setting]

User can change the current date setting from the screen.



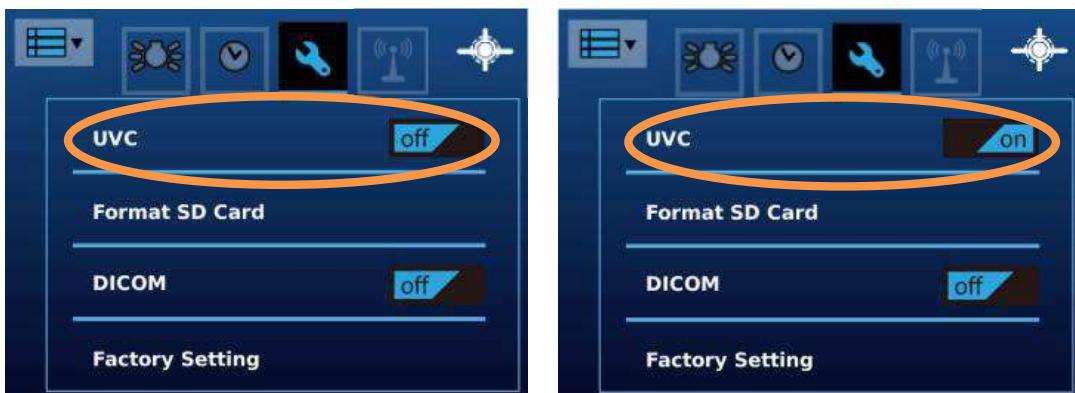
### [Time Setting]

User can change the current time setting from the screen.



### [UVC]

While connecting DEA 200 to a computer via USB cable, the product works as a USB storage device. If UVC mode is on, pictures can be shown both on the LCD panel of the product and the screen of the computer. To display image on the computer, please install webcam application prior to enabling UVC mode. A freeware webcam application (e.g., Horus UVC view, Amcap) is a software that can receive UVC signal on the computer. User can search for relevant information over the Internet.



**I Horus UVC View**

Free UVC viewer is available in any search engine.

### [Format SD Card]

User can format the SD card.

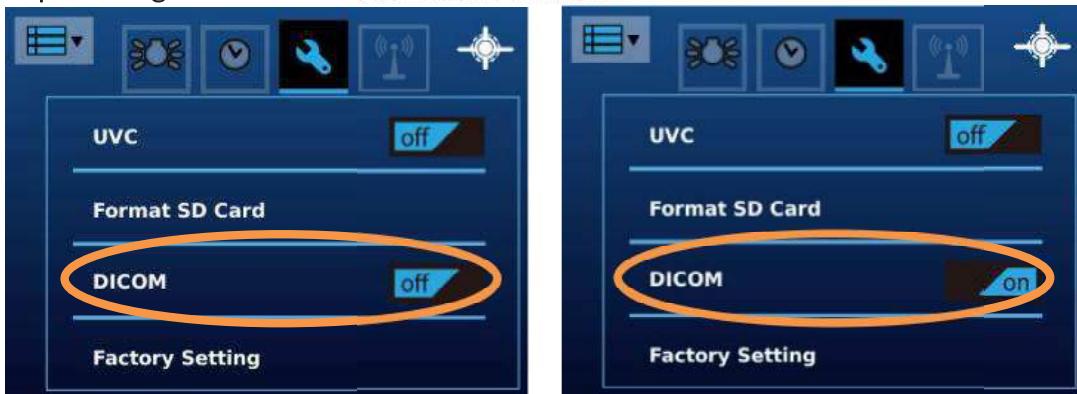


#### NOTE

All information will be deleted after SD card is formatted.

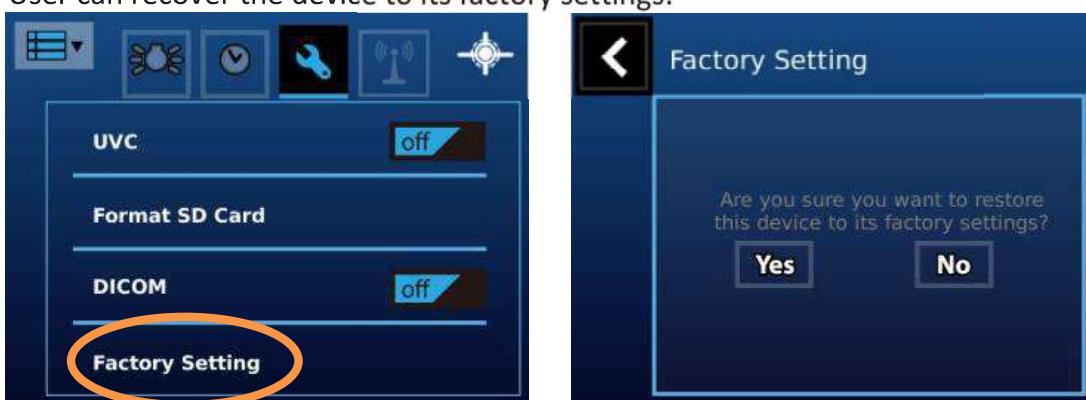
### [DICOM]

Export image with or without DICOM format.



### [Factory Setting]

User can recover the device to its factory settings.



## Wireless connection

[Wi-Fi/Bluetooth]

User can turn on/off the Wi-Fi/Bluetooth.

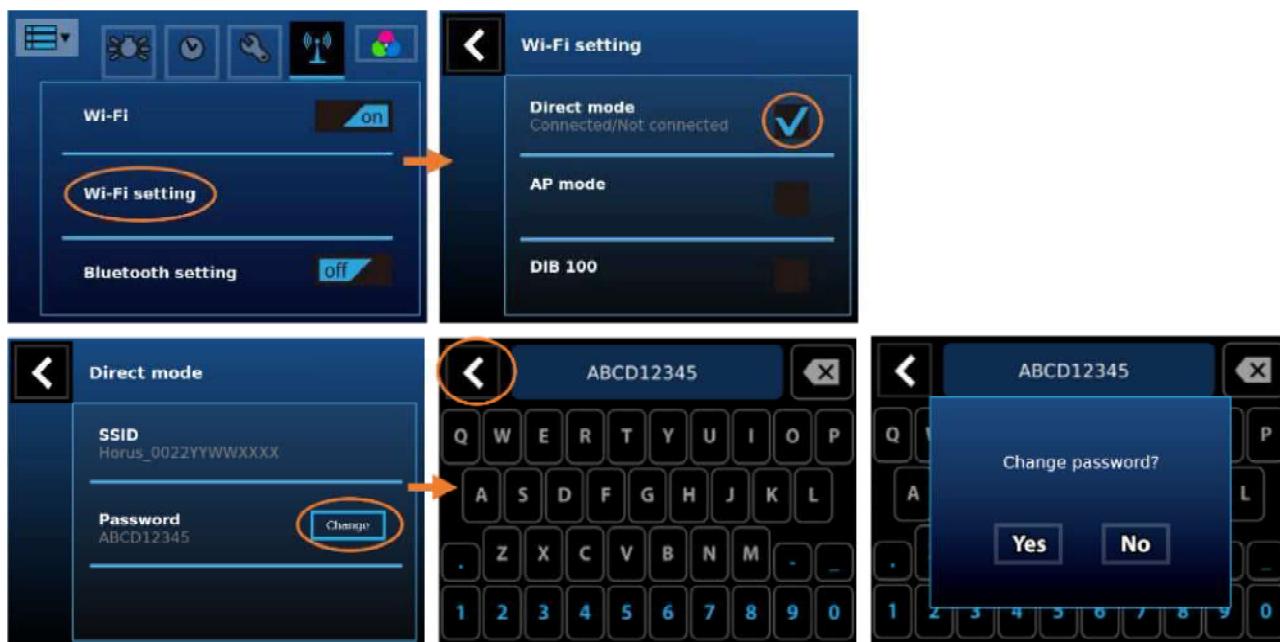


### Note

Wi-Fi and Bluetooth function cannot be on at the same time.

[Wi-Fi setting – Direct Mode]

User can select “Direct mode” to connect DSC 300 with PC directly.



### Note

Password shall be 8+ letters & numbers.

[Wi-Fi setting – AP Mode]

User can select “AP mode” to connect to internet through an AP.

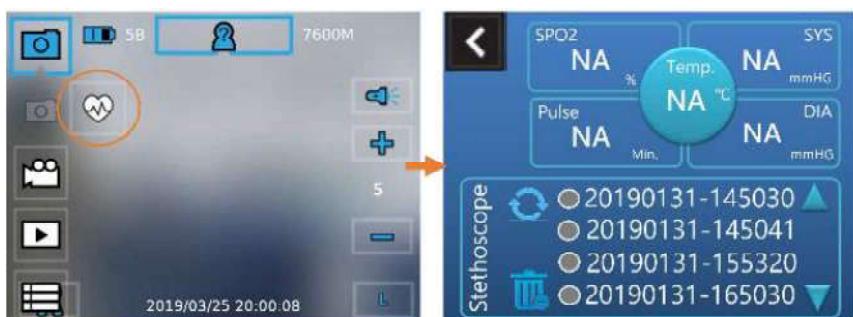


[Bluetooth setting]

User can turn on the Bluetooth function and collect the data from specific vital sign devices.



When the Bluetooth is on, the vital sign collection icon will be shown on menu. Click it to enter the collection page.



# C. DGC 200

## Enter the Setup model

### Using the [Setup] menu

It is recommended that all setting items are set according to user's requirements for first-time use.

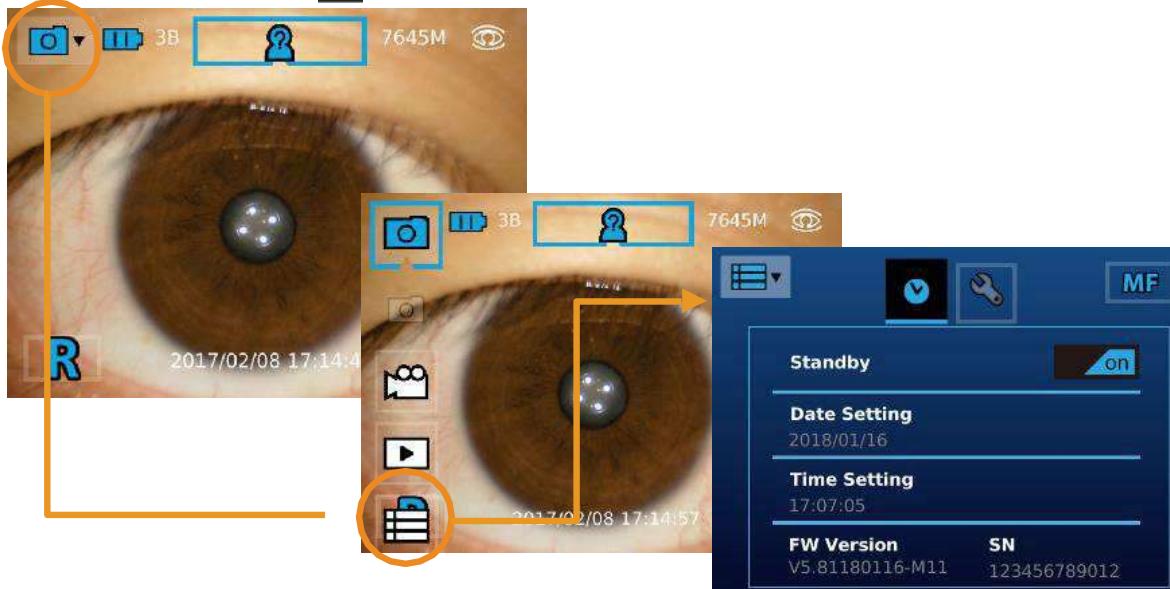
### Bring up the [Setup] menu

Touch the photo icon and then touch the setup icon.

### Exit the [Setup] menu

Once a setting adjustment is made, the new value affects the system immediately.

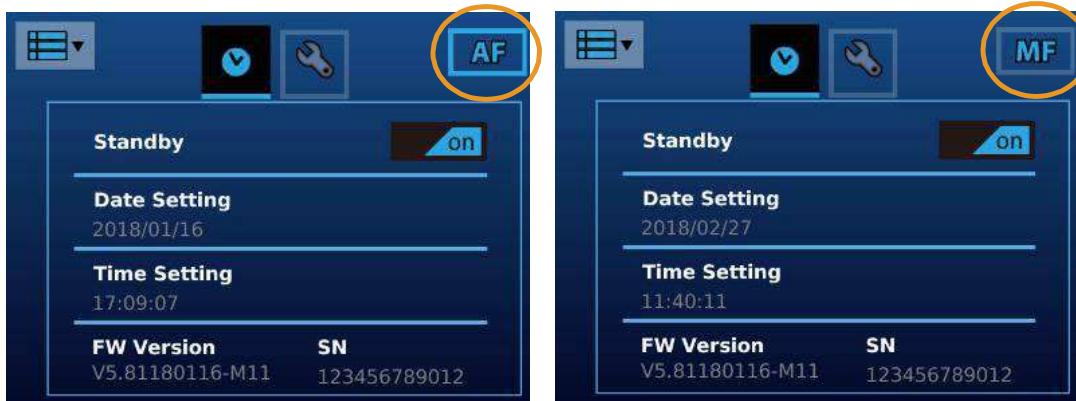
Use the upper back button or the OK button to exit the screen.



## Settings

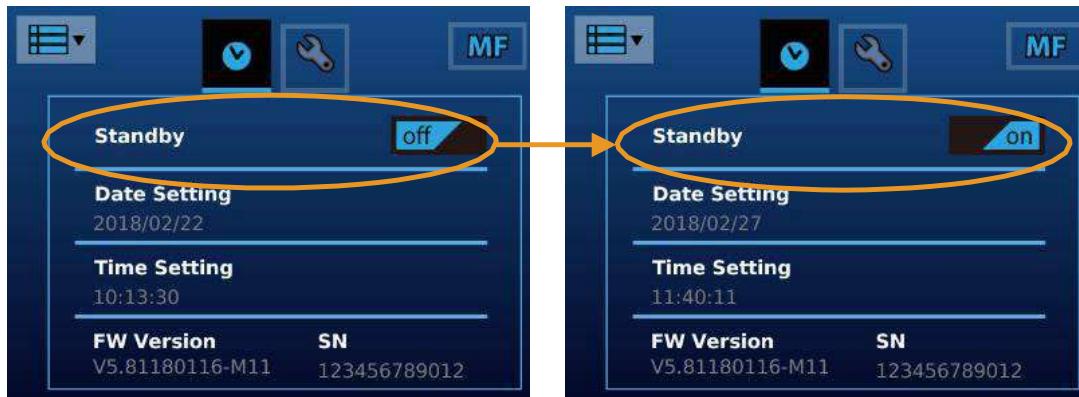
### [AF/MF Mode]

User can set Auto Focus mode to help image focus when taking pictures. Or chose Manual Focus mode and push the focus button on unit to do focus. Tap on the item to toggle the AF or MF mode.



### [Standby]

User can set standby mode to be on or off. Once the mode is on, the LCD panel will be turned off if the system is idle for three minutes. Tap on the item to toggle the setting.



### [Date Setting]

User can change the current date setting from the screen.



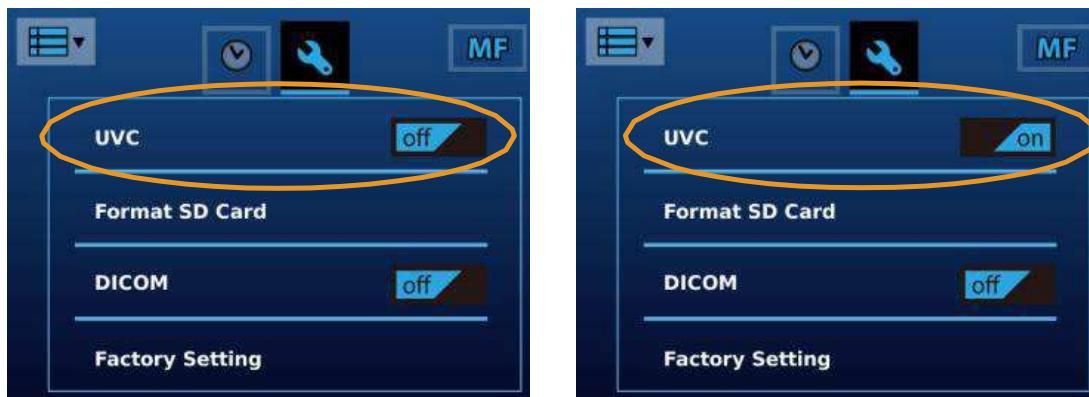
### [Time Setting]

User can change the current time setting from the screen.



**[UVC]**

When you connect DGC 200 to a computer via USB cable, the product works as a USB storage device. If UVC mode is on, pictures can be shown both on the LCD panel of the product and the screen of the computer. To display image on the computer, please install webcam application prior to enabling UVC mode. A freeware webcam application (e.g., Horus UVC view, Amcap) is a software that can receive UVC signal on the computer. User can search for relevant information over the Internet.



### I Horus UVC View

Free UVC viewer is available in any search engine.

**[Format SD Card]**

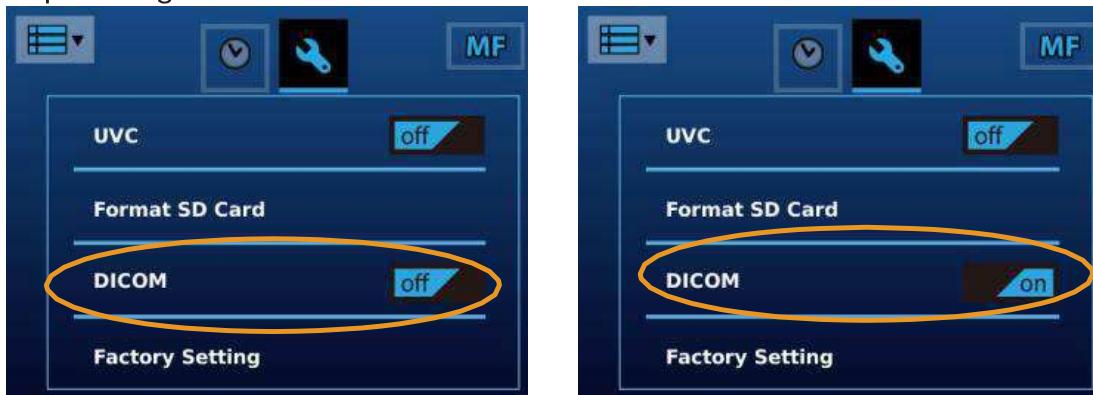
User can format the SD card.

**NOTE**

All information will be deleted after SD card is formatted.

## [DICOM]

Export image with or without DICOM format.



## [Factory Setting]

User can recover the device to its factory settings



## Wireless connection

### [Wi-Fi/Bluetooth]

User can turn on/off the Wi-Fi/Bluetooth.



## Note

Wi-Fi and Bluetooth function cannot be on at the same time.

#### [Wi-Fi setting – Direct Mode]

User can select “Direct mode” to connect DSC 300 with PC directly.



#### Note

Password shall be 8+ letters & numbers.

#### [Wi-Fi setting – AP Mode]

User can select “AP mode” to connect to internet through an AP.

