



Instruction manual

For dermatology  
**Digital dermo**

Model : Derma1000-GR



Thank you for using our product  
Please read the instruction manual and fully  
understand it before use. Thank you.

**Derma Medical Inc.**

11-26, 2-chome, Nagataminami, Minami-ku,  
Yokohama, Kanagawa, 232-0073 Japan  
Tel: +81-45-731-2584 Fax: +81-45-714-3763  
E-mail : [dermamdinc@ybb.ne.jp](mailto:dermamdinc@ybb.ne.jp)  
URL : <http://dermamedical.jp/>

Derma1000-GR Digital dermo designed  
for dermatology.  
Please avoid using for any other purpose.

## Confirmation of set contents

The following items are included in the Derma1000

- Camera body set (Redmi Note 8 Pro made by Xiaomi)
- Digital Dermo (close-up photography adapter set)  
Gel / polarizing filter integrated module

Note 1) The smartphone is already charged and loaded.

Note 2) Derma1000-GR

If you push it to the red mark next to the switch, it will be the polarizing filter mode. The other side will be in gel mode.



## Attach the adapter to the camera

Attach the close-up shooting adapter to the camera body

- 1 **White mark on top of camera cover mount adapter and module Match with.**

- 2 **Align the "●" mark on the camera cover mount with the "●" mark on the top of the module (adapter), and rotate it in the direction of the arrow until it hits the stopper. Please note that the lock will be released if you turn it in the original direction because it is fixed with a magnet.**



## About repair

When sending to us for repair, etc., disassemble the camera body and close-up unit, and disassemble.

Please pack it with cushioning material and send it.

## About warranty

- Our company automatically registers your purchase date (shipment date). We will respond if you contact us with the name of the clinic and your name.
  - The warranty period is one year after purchase except for the camera
  - Basically, the warranty of the camera body is xiaomi, but since it is a parallel import product in the Global version, there is only a guarantee at the time of initial failure. Smartphone repairs are expensive and time consuming, with the sum of the round-trip shipping costs to Hong Kong and the estimated repairs As an option, we will exchange it for a new one for 30,000 yen.
- 「Warranty provisions」
1. Repairs after the one-year free repair period will be charged
  2. If the cause of the failure is as follows, it will be out of the coverage and will be charged.
    - 1) Failure or damage due to careless handling or misuse
    - 2) Failure or damage due to repair, modification, disassembly, etc. other than our company
    - 3) Failure or damage caused by mud, sand, water fog, drop, impact, etc.
    - 4) Failure or damage due to fire, earthquake, flood, lightning strike, other natural disasters, pollution or abnormal voltage
    - 5) Damage due to improper storage or care
  3. Consumables are not covered by this warranty.
  4. Customers are responsible for the freight charges and charges for repaired products.
  5. Incidental damage due to failure of this product (costs required for shooting and should be obtained by shooting. We cannot compensate for lost profits, etc.).

## Precautions for use

1. When not in normal use, set the power switch for lighting to "off".
2. If the lighting becomes defective during use, replace the battery
3. For cleaning, wipe the close-up unit with a soft cloth.  
Do not use benzene / alcohol highly volatile solutions.  
Be sure to clean the filter glass, etc. with alcohol cotton, etc. after each inspection.
4. Since it has an illumination light source, please avoid using it for people who are sensitive to light.
5. A magnet is used for the lock mechanism, so be careful of devices that are affected by the magnet.

## About connection with a personal computer

1. Connect the attached USB cable to your computer and transfer the captured images to your computer. Transfer to and save.

## Battery case battery and battery replacement

If you do not use it for a long time, remove the battery. Prevents battery leakage. Also, check for battery leaks from time to time even when using for a long period of 6 months or more. Leakage of the battery will ruin the battery case. If the lighting becomes dimmed or does not turn on, replace the battery.

1. Loosen and remove the screw that holds the lid of the battery case with the included screwdriver. Remove the lid. Lower the battery, insert a screwdriver in the gap and remove the battery
2. Replace with a new battery. (Enter the polarity correctly)
3. Place the lid on top and fasten the lid with screws.



Lower the battery to make a gap

← 1 CR2 alkaline battery

## About camera batteries

1. About batteries to use  
CR2 camera battery: Lithium battery 3V (850mAh)  
Avoid forgetting to turn off the camera. The battery will run out of capacity.
2. A rechargeable type is also available.  
It costs about 2,500-2,800 yen with two and a charger.  
It is also a good way to deal with forgetting to cut.

## About initial settings

1. Only the camera part of the smartphone can be used.  
CR2 camera battery: Lithium battery 3V (850mAh)  
Avoid forgetting to turn off the camera. The battery will run out of capacity.
2. A rechargeable type is also on sale.  
It costs about 2,500-2,800 yen with two and a charger.  
It is also a good way to deal with forgetting to cut.
3. How to use a smartphone  
If you insert a SIM, you can also have a telephone function.
4. Since there is a WiFi function, it is possible to send data by e-mail by setting e-mail.
5. From the settings, select Connection and Sharing and set to airplane mode.
6. Language selection: Japanese  
Area selection: Japanese  
SIM card: None  
Google account: None  
MI account: None  
Fingerprint registration: None  
WiFi setting: None  
Low waterproof and dustproof (although it is waterproof enough for daily life, it will be out if submerged in the bath)
7. Camera frame: 3: 4



**Smartphone right switch**

← Main power supply: Press and hold

← Control key: Normal ON / OFF

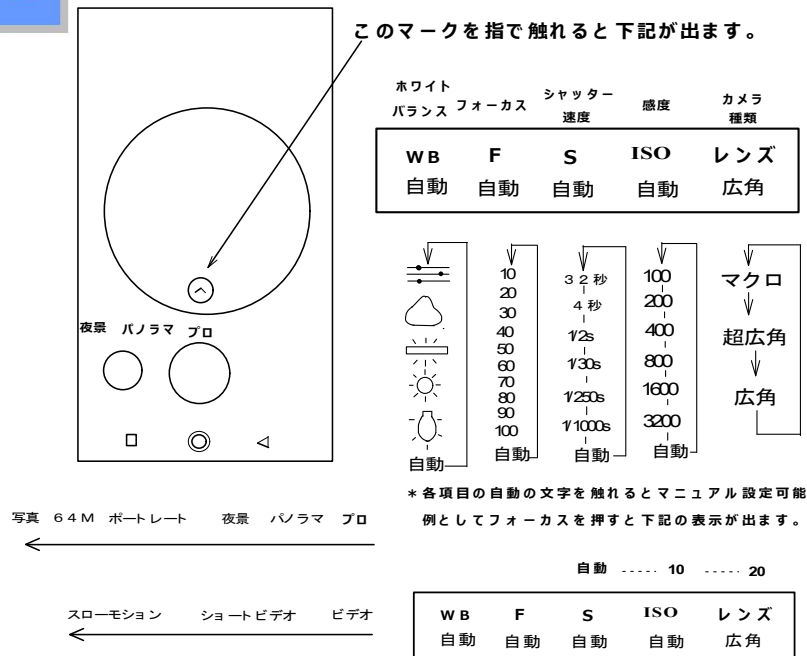
# Shooting

1

Turn on your smartphone. Press the lower switch, which has two switches on the right side of the smartphone body, to turn it on. Then slide your finger from the bottom to the top of the screen. Next, click the camera mark on the upper right camera and the display.

2

Set the toggle switch of the digital dermo lighting power supply to "ON" Smartphone The following display will appear.



1. Touch the mode switch on the round shutter button, move it left or right, and select "Pro".
  2. When you touch the mark above the 'pro' letters, the display on the upper right side will appear.
  3. When you touch the "lens", the mode changes each time you touch it, and you select "wide angle".
  4. Select automatic for other modes as well. (Initially set to automatic.)
  5. Since the image is shown, move the screen so that it spreads with your index and middle fingers. The electronic zoom magnification will appear on the screen. At x3.6, the image will be 10 times larger.
  6. You can take an image by pressing the round shutter button below.
- Electronic zoom      x 3.8: 10 x image  
                                 x 6.0: 15 x image  
                                 x 10 : 28 x image

Note: If the image changes, check "Pro" and "Wide-angle" of the lens again.

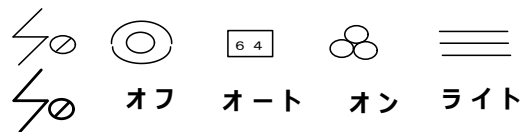
When the screen becomes whitish in the image and the details do not appear,

1. In Pro mode, touch the mark above it and the lens is wide-angle. Then, select shutter speed 1/1000sec, and from the automatic "ISO" mark next to it, select the best exposure from among them, 1/1500, 1/800, 1/400.

## Medical record photography / wide area clinical photography

Not only the affected area but also a wide area including the surrounding area of the affected area can be easily imaged and a wide area image to show the position of the affected area can be easily performed.

- Remove the Digital Dermo module by turning it counterclockwise from the integrated camera.
- Select Shooting Mode Pro. When selecting a lens, select wide-angle or macro.



- Touch the light mark on the left end of the display on the top of the smartphone. The mark below it will appear. If you touch the word "light" on the far right, the light will turn on.

## Silicon adapter convenient for skin photography

It is possible to perform both imaging with pressure on the blood vessel by conventional close contact imaging on the clinical part and imaging with less pressure on the blood vessel with the silicon adapter.

- 1 The gel type can fill the gap between the skin and the glass.
2. For the polarizing filter type, you can get a gift of near non-contact imaging.
3. The silicon adapter can be sterilized by autoclave.

It is important to attach the silicon adapter to the module.

Hold the head and push it downwards to bring it into close contact.

If you attach water to the adapter and module and make them adhere in the same way, they will adhere more firmly.

If the adhesive strength is weakened, wash it with soap to remove oil.

## When in trouble

\* When the image disappears or the image becomes strange

- 1) Select "Pro" as the mode again and touch it.
- 2) Select "Wide-angle" with the lens.