



USER MANUAL

For overseas use
ver. 2024_1.01



AI Cervical Cancer Screening System



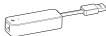
Package Content

01. Basic Components

Name	Image	Function	Unit
Dr. CerviCARE®		A device that captures, stores and plays picture as the main device	1
Cradle		For Dr. CerviCARE® Mount	1
Micro SD Card		Memory card, Image storage medium	1
Battery		Lithium battery which provides an easily accessible supply of electrical energy	1

02. Additional Components

Additional components are items provided at the time of purchase if the purchaser needs them other than the basic components.

Name	Image	Function	Unit
Router(AP)		Dr. CerviCARE®, Miracast necessary for PC networking	1
Miracast		Receives the image from the Dr. CerviCARE® and displays it on an external monitor	1
USB wired LAN card		Used for network connection between Dr.CerviCARE® and PC Model: TPLINK UE306	1
Monitor		Connected to the Miracast and must have an HDMI input terminal. (with adapter 12V4A for monitor)	1
Mini HDMI cable		Connection cable between Miracast and monitor	1
Footswitch (BT & Cable)		Switching device which is operated by the user's foot	1
Battery		Lithium battery which provides an easily accessible supply of electrical energy	1
Distance Rod & Set Screw		Short steel rod which helps capturing images well	1
Adapter Cable		Dr.CerviCARE®, Power Supply AC/DC Adapter Input: 100-240VAC AC/DC Adapter Output: 9.0V/3A Cable: 2m	1

Safety Information

READ AND SAVE THESE INSTRUCTIONS BEFORE USING

▲ CAUTION

Please check the packaging contents, such as accessories and instructions, when purchasing Dr. CerviCARE®, and refer to the warranty period in the **[Warranty]** section.

If any problems are detected with Dr. CerviCARE®, stop using it immediately.

FOR USING

▲ WARNING

- If Dr. CerviCARE® is accidentally immersed in water, do not turn on the power and contact your local Service Center.
- When inserting the Micro SD card, ensure it is inserted in the correct direction. Forced insertion may damage the slot.
- Using the front LED in a person's eyes can temporarily affect their vision.
- Unauthorized modification or disassembly may void the warranty.

FOR STORING

▲ CAUTION

- When storing the Dr. CerviCARE®, avoid the following places:
 - On an unstable surface. Dr. CerviCARE® may fall or tip over, causing damage to Dr. CerviCARE®
 - Places with poor ventilation and high humidity
 - Near devices that generate strong electromagnetic waves, such as TVs and radios
 - Places where the temperature is over 50°C or below -10°C
 - Places where humidity exceeds 60%
 - Places where affected by chemicals
 - Places where gas is generated and places with moisture
- Do not expose Dr. CerviCARE® to direct sunlight. High temperatures may cause damage.
- Do not use or store the Micro SD card near electronic devices or magnetic materials that can cause damage.
- When storing Dr. CerviCARE® for an extended period, remove the battery. It may cause damage.

READ AND SAVE THESE INSTRUCTIONS BEFORE USING

▲ CAUTION

Please check the packaging contents, such as accessories and instructions, when purchasing Dr. CerviCARE®, and refer to the warranty period in the **[Warranty]** section.

If any problems are detected with Dr. CerviCARE®, stop using it immediately.

FOR CHARGING

▲ WARNING

- Use only the batteries or AC power adapter specified for Dr. CerviCARE®. Using unauthorized products may cause damage.

▲ CAUTION

- Battery gradually lose its charge even when not in use. Check the battery level before using.

Product Information

PRODUCT INFORMATION

1. Product name

- 1) Category: External medical camera
- 2) Model No. : Dr. CerviCARE®

2. Manufacture

- Name: NTL HEALTHCARE Co., Ltd.
- Address: #710-713, G/Business Growth Center, 42, Changeop-ro, Sujeong-gu, Seongnam-si, Gyeonggi-do, Republic of Korea

3. Manufacturing license number/Manufacturing item license No. /Manufacturing number/Manufacturing date/Weight/Price

- Manufacturing license number: No. 1861
- Manufacturing item license number: No. 24-1133
- Equipment Weight: about 463g
- Purpose of Use: The device that takes pictures of skin or body cavities outside the human body and processes the captured images

4. Packing Unit : 1 SET/ Box

5. Other information

- 1) Classification of device: Class 2 device and internal power device, Type B device
- 2) Dr. CerviCARE®/ Miracast: DC 12V, 2A
- 3) Lithium rechargeable battery: 3.7V, 5000mA
- 4) AC/DC adaptor: PD 30W 9V/3A

6. This device is a medical device

7. Frequency range

1) Wi-Fi

2 412 MHz ~ 2 472 MHz (802.11b/g/n_HT20)

2 422 MHz ~ 2 462 MHz (802.11n_HT40)

UNII 1: 5 180 MHz ~5 240 MHz (802.11a/n/ac_HT20/VHT20)

UNII 1: 5 190 MHz ~5 230 MHz (802.11n/ac_HT40/VHT40)

UNII 1: 5 210 MHz (802.11ac_VHT80)

UNII 2A: 5 260 MHz ~5 320 MHz (802.11a/n/ac_HT20/VHT20)

UNII 2A: 5 270 MHz ~5 310 MHz (802.11n/ac_HT40/VHT40)

UNII 2A: 5 290 MHz (802.11ac_VHT80)

UNII 2C: 5 500 MHz ~5 720 MHz (802.11a/n/ac_HT20/VHT20)

UNII 2C: 5 510 MHz ~5 710 MHz (802.11n/ac_HT40/VHT40)

UNII 2C: 5 530 MHz ~5 690 MHz (802.11ac_VHT80)

UNII 3: 5 745 MHz ~5 825 MHz (802.11a/n/ac_HT20/VHT20)

UNII 3: 5 755 MHz ~5 795 MHz (802.11n/ac_HT40/VHT40)

UNII 3: 5 775 MHz (802.11ac_VHT80)

2) Bluetooth (BDR/EDR/LE)

2 402 MHz ~ 2 480 MHz

Cleaning and Maintenance

MAINTENANCE

▲ CAUTION

- Regularly inspect Dr. CerviCARE® and its parts.
- When Dr. CerviCARE® is not in use for a long time, remove the battery and unplug the charging adapter.
- Refer to the instruction manual for the necessary handling and maintenance of Dr. CerviCARE®.
- When using Dr. CerviCARE®, be sure to protect patient information from being exposed.

CLEANING

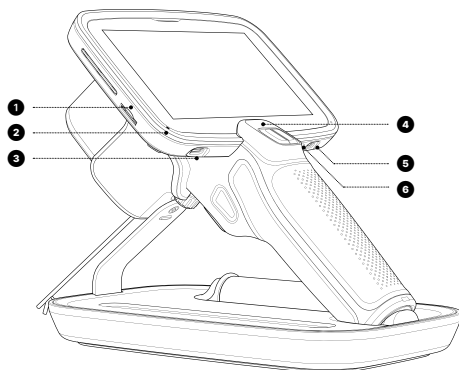
▲ WARNING

- If Dr. CerviCARE® surface is dirty, wipe it with a dry cloth. (Be careful not to get water into Dr. CerviCARE®).
- If LCD screen is dirty, blow off dust with a blower, and wipe off foreign substances such as fingerprints or grease with a soft cloth or leather. Care must be taken as it may cause damage or malfunction if wiped strongly.
- Do not use corrosive detergents or disinfectants.
- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: This device may not cause harmful interference, and this device must accept any interference received, including interference that may cause undesired operation.

At a Glance

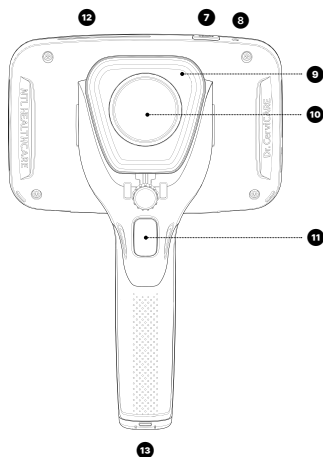
Dr. CerviCARE®

Front Side



- ❶ Micro SD
- ❷ MIC Hole
- ❸ Charging terminal – PD 30W 9V/3A power charging
- ❹ ZOOM Button
- ❺ HDMI Port
- ❻ USB Port

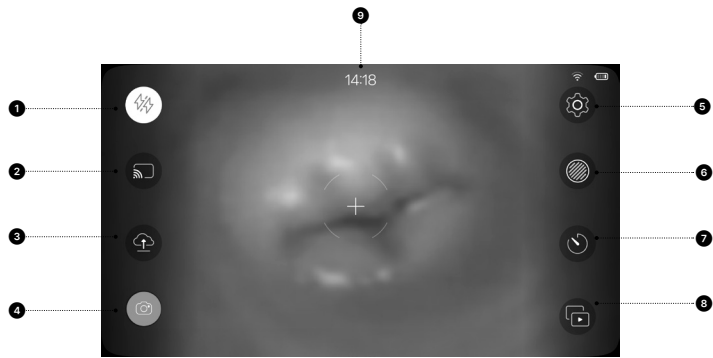
Rear Side



- ❷ **Power On:** Press the button once
- Power Off:** Press until the system shutdown and reboot message appears
- Power button Actions**
 - Short press: LCD Off
 - Long press: Power Off and reboot message appears
- ❸ **Battery indicator:** Displays the current battery level
- ❹ **LED:** As a light source and lighting, it should always be on when capturing
- ❺ **Dr.CerviCARE® Lens**
- ❻ **Shutter Button:** Triggers the camera to capture images or start/stop video recording
- ❽ **Speaker**
- ❾ **Battery charging pin**

At a Glance

Display



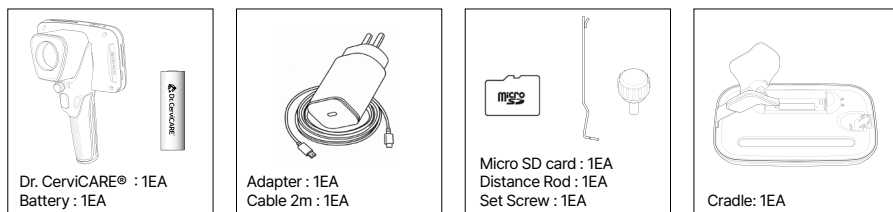
Item	Icon	Function Description
① LED		Front LED On status
		Front LED Off status
② Mirroring		Mirroring Mode On status
		Mirroring Mode Off status
③ Transfer		Image Transmission
④ Capture		Image Capture
		Video Record / Record Stop
⑤ Setting		Camera Settings
⑥ Green Filter		Green Filter On status
		Green Filter Off status
⑦ Timer Mode		Timer Mode On status
		Timer Mode Off status
⑧ Gallery		Captured Image Review
⑨ Status Display	Zoom : x 2.0	Zoom Magnification Display
	16:30	Current Time Display
		Wireless Connection Status (Connected / Disconnected, Unavailable)
		Battery(Charging , Below 5%)

At a Glance

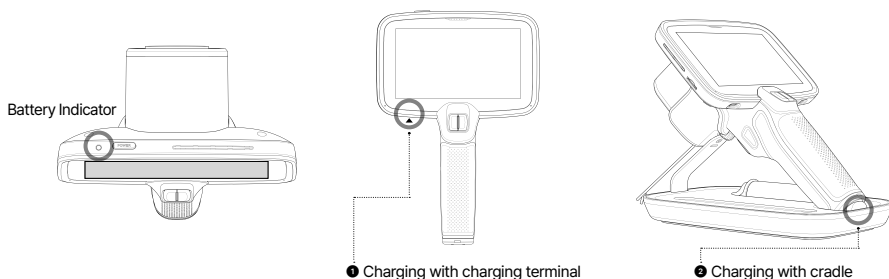
Connecting the Dr. CerviCARE®

1. The router connects Dr. CerviCARE® using a device that supports the wireless 801.11b/g/n/ac standard.
2. For external monitor connection, use a Miracast device and, if connected by wire, connect a mini HDMI cable to output the Dr. CerviCARE® screen.
3. If connected via intranet, use a USB wired LAN card installed on an Internet PC to connect to the dedicated router for the device. Follow the instructions for use according to the provided manual and connect the Dr. CerviCARE® in the order of the manual.

① Open the box of Dr. CerviCARE® and Check the basic components



② Connect the Dr. CerviCARE® and the adapter to charge it and check if the charging lamp is on Place it on the cradle and check the LCD charging UI (Use after charging is completed)

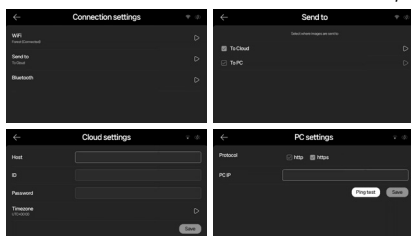


*You can charge using either of the two methods.

③ Transmission Method

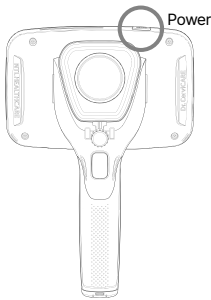
Method 1. Connected to WIFI and Sent

Method 2. Manual SETTING : SETTINGS → SSID, AP IP, Receiver IP, PC IP Settings → Apply



Instructions for Use

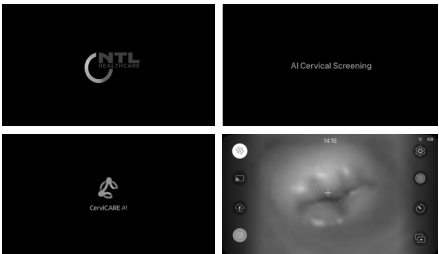
1-1. Insert Dr.CerviCARE® Micro SD card and then press the power switch to turn on.



* If you do not have a Dr. CerviCARE® Micro SD card, the pop-up will appear. Please insert the SD card and use it.



1-2. Once the boot time of Dr. CerviCARE® is complete, capture screen will appear.

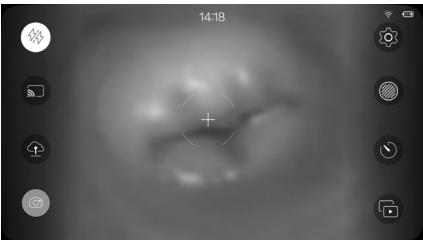


* Check if Dr. CerviCARE® network is set up



2. Check if the capture screen is displayed on the LCD screen as follows.

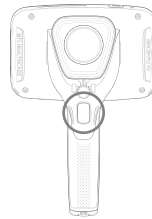
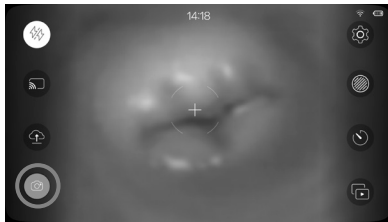
Check the battery status, WIFI, mirroring connection status, LED light, and capture time before capturing. If connected properly, prepare for capturing.



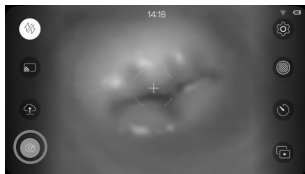
Item	Icon	Status
		Battery
		LED On/Off
		Mirroring Connection
		WIFI Connection
		Image Transmission
	ZOOM : x 2.0	ZOOM Magnification
	16:30	Current Time

Instructions for Use

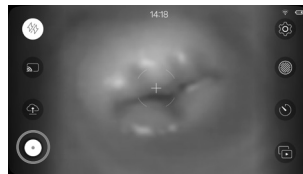
3-1. Capture an image by pressing the capture button on the LCD screen or the shutter button on the back side of Dr. CerviCARE®.



3-2. Record a video by pressing the red record button on the LCD screen.



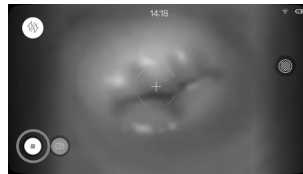
Press and hold the capture button to switch to video mode.



Press the red record button to start recording.

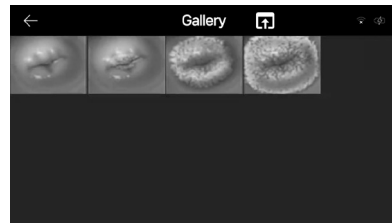
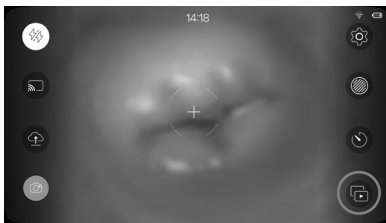


Press camera icon to take a snapshot while recording.

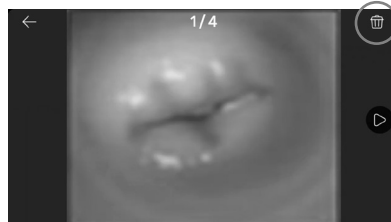


Press the record button again to stop recording.

4. Press the Review button to view captured image and video.



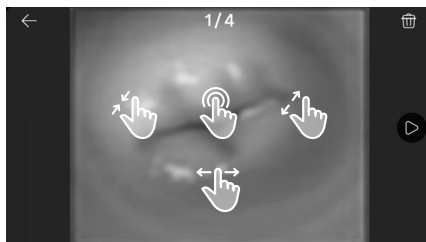
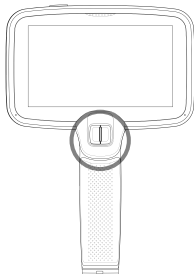
5. Delete images by pressing the Recycle Bin icon in the Review.



Instructions for Use

6. Tap or pinch the LCD screen to enlarge the image.

Enlarge or reduce the image by pressing the image in the Review or using the pinch zoom (👉/👈). When double-tapping (👉👉) the LCD screen in the enlarged status, original image size is available. Press left (⬅️)/right (➡️) button or place your finger on the image and slide it to the left or right (👉) to view the front/back of the image.



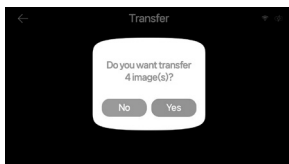
7. Press the Transfer button to transfer captured images to the server or PC. (Depending on server setting)

All images stored in the Micro SD card are transferred to the server or PC.

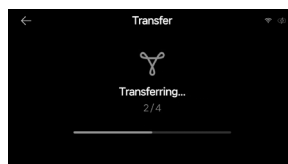
(If you are using an intranet connection, CerviCARE® AI must be running on the PC when transferring to the PC.)



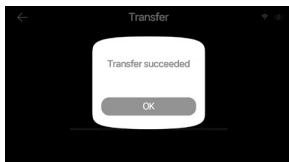
① Press Transfer button



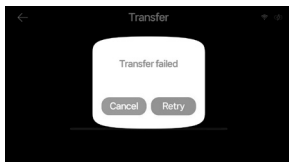
② Press Yes when message appears.



③ Check transfer progress bar

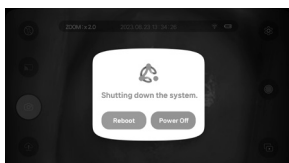


④ Press OK when transfer is completed.



⑤ Press Retry or Cancel when transfer fails.

8. Press Power Off button to turn off Dr.CerviCARE® when completed.



Before Requesting Service

- **Dr. CerviCARE® not turning on**

Battery is depleted: Charge or replace battery with a fully charged spare.

Battery is inserted incorrectly: Reinsert the battery in the correct orientation.

Dr. CerviCARE® turns off during use: Charge or replace battery with a fully charged spare.

- **Dr. CerviCARE® not capturing**

When shutter button is pressed, capturing image is not available.

Micro SD card is full: Delete images or reset Dr. CerviCARE® in Admin mode.

Micro SD card is damaged: Insert a new Micro SD card.

Images are dark: Check if the front LED is on.

- **Connection to external monitor is not working**

Check if the mirroring is on.

Check power of monitor.

Check cable connection.

Check if the monitor output mode is set.

- **Transfer failure (PC or Server)**

Check WIFI connection.

Disconnect and then reconnect the WIFI.

Check account address, ID, and password.

Check power of router.

[Intranet connection method]

Check the PC IP address.

Check the connection status between the PC and router.

Check if "Settings -PC" is selected.

Check if Dr. CerviCARE®'s SSID matches the router's SSID.

Check if CerviCARE® AI is running.

- **WIFI connection failure**

Check if password entered correctly

Check the number of Wi-Fi antennas on the connected router and Dr. CerviCARE®, and if there are less than 2, move the Dr. CerviCARE® to the connected share.

[Intranet connection method]

Set power of router and the manual setting to on and check the Gateway, camera, PC IP.

- **Images are not saved**

No capacity of Micro SD card left to save additional images.

Delete or initialize it in administrator mode Dr. CerviCARE®.

Insert New Micro SD card to capture and save the images.

Product Warranty

Product Warranty

Product Name	External Medical Camera		
Model Name	Dr. CerviCARE®		
Date of Purchase	YYMMDD		Place of Purchase
Manufacturer Serial Number			
Customer	Name		Phone
	Address		

1.

The product warranty certificate must be filled out at the time of purchase. Please verify the information and keep it safe (it is essential for receiving A/S).

2.

If you lose the warranty certificate, it cannot be reissued, so please keep it safe.

3.

The warranty period is **1year** from the date of purchase in case of product defects.

4.

The supplier will repair the product or exchange defective parts, but claims cannot be made regarding damage caused by user negligence, and any claims of breach of warranty should not be a reason for cancellation or withdrawal of the contract related to this product.

5.

Please read the safety information in the manual carefully, as we are not responsible for accidents caused by customer negligence.

6.

If you need to request service, please check the **[Instruction for Use]** and **[Before Requesting Service]** section in the manual before contacting local service center.

* If you still encounter issues, please stop using the product, unplug it, and contact local service center.

Paid Service Items

1.

Failures due to user's intent or negligence

+ Failures due to incorrect usage

+ Failures due to carelessness (dropping, impact, damage during transport, overloading, flooding, storing in humid places)

2.

Failures caused by incorrect electrical capacity usage

3.

Failures due to natural disasters (fire, salt damage, gas, earthquakes, floods, etc.)

4.

Failures caused by unauthorized internal modifications by the user

5.

Failures due to the end of the lifespan of the components (consumable parts like LEDs, batteries, etc.)

• **FCC Interference Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

• **FCC Caution**

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.



AI Cervical Cancer Screening System



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NTL creates a healthy tomorrow for a world where all women can be free from cervical cancer, regardless of borders and regions.