

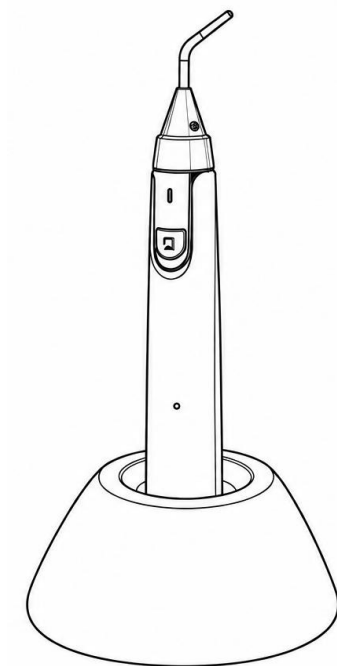


PRECISION IN VIEW

EZ-CAM160 Instructions for Use

Intraoral camera · For healthcare professionals

Medical device



A camera for illuminating and viewing magnified images inside the mouth.

Read the safety information and operating steps before use.

English / Document DC160-IFU-EN / Rev.2 / October 2026

This manual covers smartphone and tablet connection, operation, image capture, storage and care after use. Read the safety information and applicable care conditions before using the device. This English edition is based on Korean Rev.14 dated 2026-10-27.

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How to read this manual

Warnings and cautions identify information to check before use.

Numbers in figures indicate steps or component references. Arrows show the direction of movement.

A check mark shows a recommended grip. An X shows a grip to avoid.

Some shapes are simplified to explain operation. Do not use the proportions in a figure to determine product dimensions or the areas suitable for disinfection.

Terms: LED means indicator light; flashing means blinking; steady means continuously lit. Gallery means the view for stored images and videos. Long Key means pressing and holding the button.

Product symbols

These symbols may appear on the product and accompanying materials. Read the information beside each symbol together with these instructions.

Symbol	Name	Meaning
	Refer to instructions	Read the instructions before use. ISO 7010-M002.
	No sitting	Do not sit on the device or designated surface. ISO 7010-P018.
	Type BF applied part	Electrical protection classification of the patient-contact part. IEC 60417-5333.
	Class II	Double or reinforced insulation. This is not medical-device risk Class II. IEC 60417-5172.
	Direct current	Indicates a DC supply. IEC 60417-5031.
	Manufacturer	The adjacent name identifies the manufacturer. ISO 15223-1 5.1.1.
	Date of manufacture	The adjacent date identifies manufacture. ISO 15223-1 5.1.3.
	Serial number	Identifies the individual product. ISO 15223-1 5.1.7.
	Medical device	Indicates a medical device. ISO 15223-1 5.7.7.
	Caution	Read adjacent information and accompanying documents. ISO 7010-W001.

The crossed-out wheeled bin means separate collection rather than disposal with mixed household waste. It does not mean that recycling is prohibited. The do-not-disassemble symbol means that users must not open or repair the housing themselves.

1 Safety and scope of use

Intended users and purpose

This medical camera is intended for appropriately trained healthcare professionals to view and capture intraoral images. Read the instructions and become familiar with the required operations before use.

The camera assists visual observation by healthcare professionals. Do not use it outside its intended purpose.

Warnings

- Check the disinfection instructions before inserting the camera tip into the mouth.
- Do not disassemble, repair, alter or modify the product yourself.
- Avoid strong impacts and exposure to high temperatures of 60°C or above.

If the device is abnormal or an operating fault prevents use, stop using it and ask the manufacturer or supplier to inspect it.

Precautions before use

- Do not touch the device with wet hands. Keep the USB charging connector dry.
- Do not rub the lens with sharp instruments. Check the camera tip and housing for damage or contamination.
- Consult a specialist before use in patients with arteriosclerosis, diabetes, liver disease, kidney disease, severe hypertension or peripheral circulation problems.
- Wireless interference may occur. Avoid congested Wi-Fi channels and check image transmission.

1.1 Handling and charging precautions

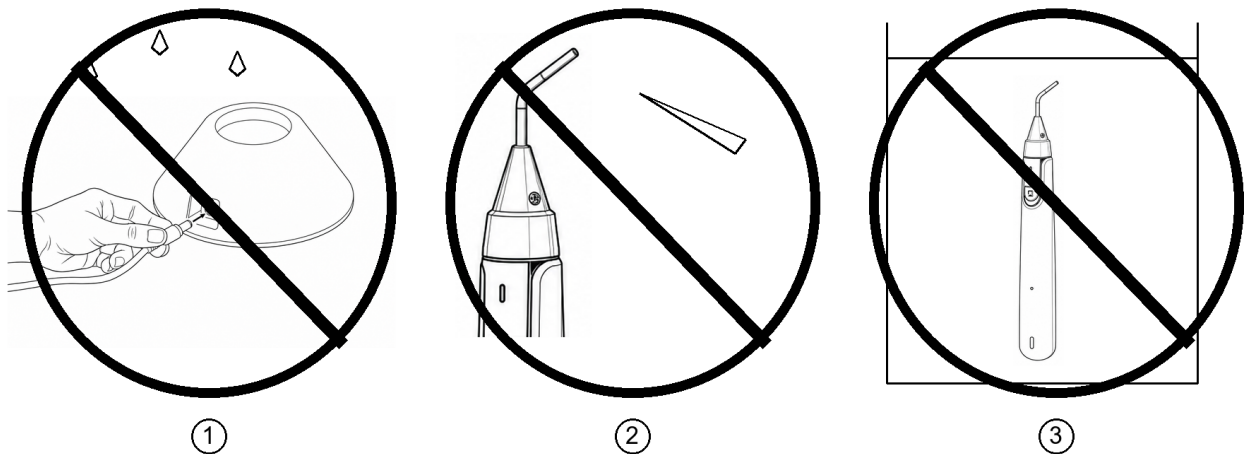


Figure 1. 1 Do not connect with wet hands. 2 Keep sharp tools away from the lens. 3 Do not immerse the entire housing.

01 Keep charging connections dry

Do not touch the device with wet hands. Do not connect a wet charging cable or connector.

02 Protect the lens and tip

Do not rub the lens surface with sharp instruments. Check the tip and lens for contamination or damage. Follow Section 10 for cleaning.

03 Do not immerse the entire housing

Do not immerse the entire housing in liquid. Do not wash the camera module directly with water, autoclave it or use an ultrasonic cleaner.

Do not immerse the housing in disinfectant. Read Section 10 for the applicable areas and care conditions.

2 Package contents and components

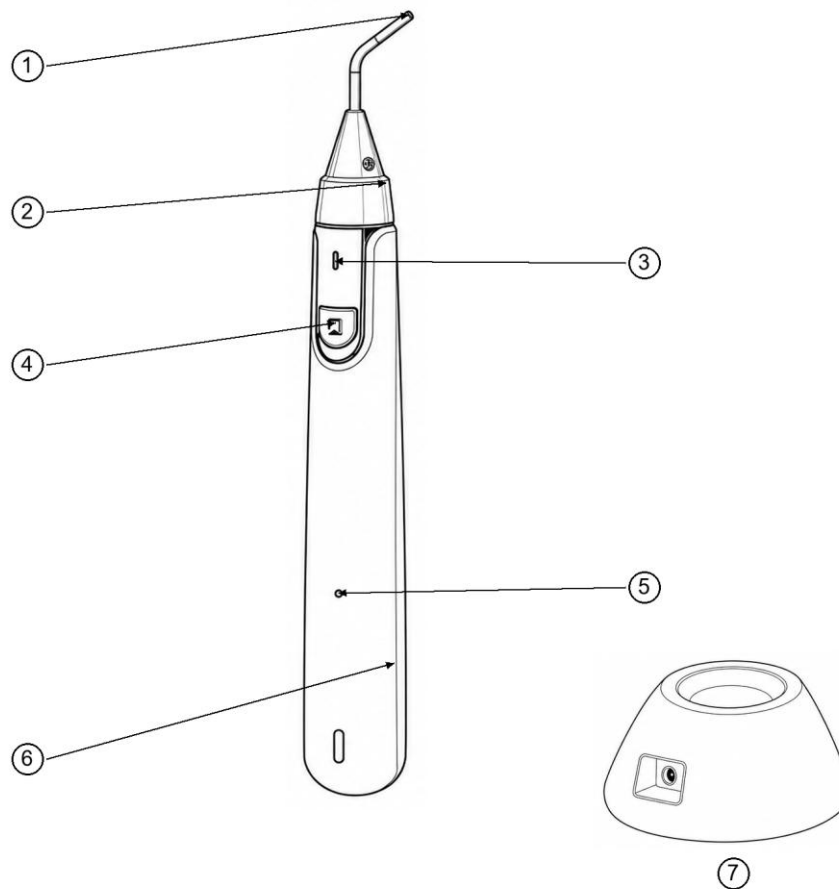


Figure 2. Main components of the camera and charging cradle

No.	Component	Identification
1	Camera tip and light	Observation and capture; illuminated during operation
2	Tip mount	Supports the camera tube
3	Power LED	Vertical indicator above the button
4	Power/photo button	Power on/off and photo capture
5	Wi-Fi/charge LED	Circular 1 mm indicator below CAM
6	Housing	Wi-Fi antenna in lower housing
7	Charging cradle	Rear charging input and top opening

Package contents: camera, charging cradle and USB-A charging cable. A USB power adapter is not included.

3 Preparation before use

Before first use and each subsequent use, check the device in the following order. Do not begin intraoral use until all checks are complete.

01 Check the device and accessories

Check the camera tip, lens, housing and cable for damage or contamination. Contact the manufacturer or supplier if you find any abnormality.

02 Check the battery charge

Turn the device on to check that the internal battery is charged. Before first use or after a long period without use, charge it with the power off for at least two hours. See Sections 4 and 6.2 for indicator meanings.

03 Prepare the app

Use the WIFI Look app on a smartphone or tablet (Section 7). A PC version is being prepared separately; see Section 16 for information about separate installation and operating guides.

04 Check connection and images

Turn the device on and connect to its Wi-Fi. Check that the app shows a live image. Briefly press the button to take a test photo, then check the saved image.

05 Check hygiene conditions

Before inserting the camera tip into the mouth, read the cleaning and disinfection instructions in Section 10. Confirm that the device is completely dry.

Start use only after checking the condition of the device, power, connection, test image and hygiene.

4 Charging and cable connection

Prepare the power supply

The charging input rating is DC 5 V, 2 A. Use a suitable USB power adapter. A USB power adapter is not included in the standard package.

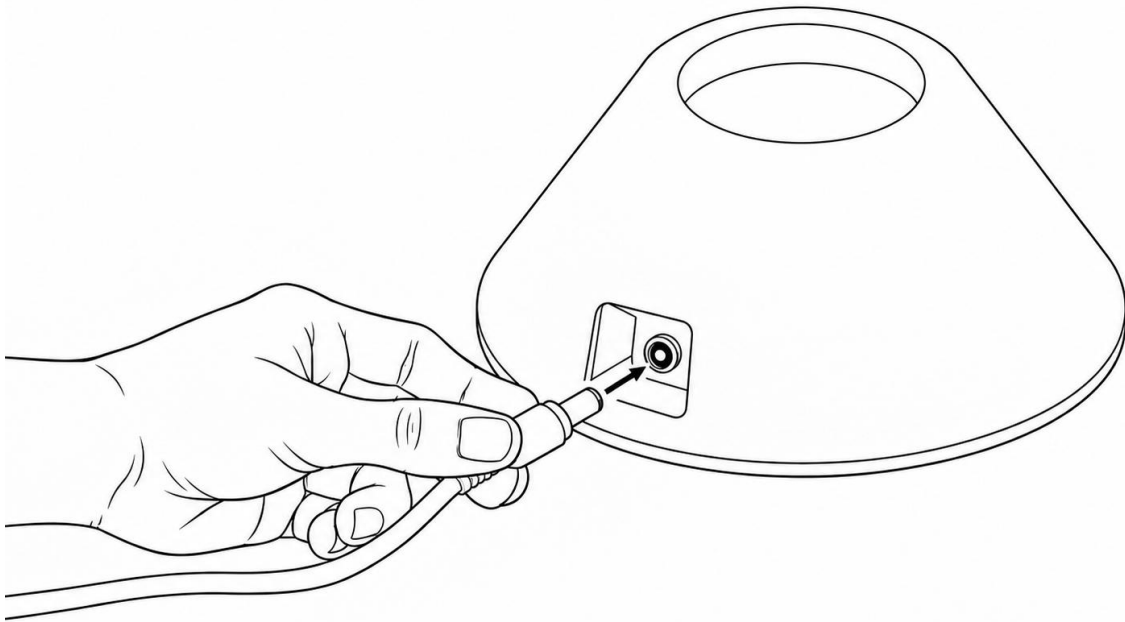


Figure 3. Connecting the charging cable to the rear input of the cradle

1. Locate the charging input on the back of the cradle.
2. Hold the connector body, align it with the input and connect it.
3. Connect the USB-A end to a power supply with the specified rating.
4. Check that power is supplied to the cradle, then place the camera in it.

Do not connect with wet hands. Keep charging connectors dry.

The cradle's green indicator means DC 5 V power is supplied. It stays green during charging and after a full charge, so it does not by itself indicate a full battery. With charging power connected and the camera seated in the cradle, the circular LED flashes red during charging and turns off when fully charged.

4.1 Placing and removing the camera

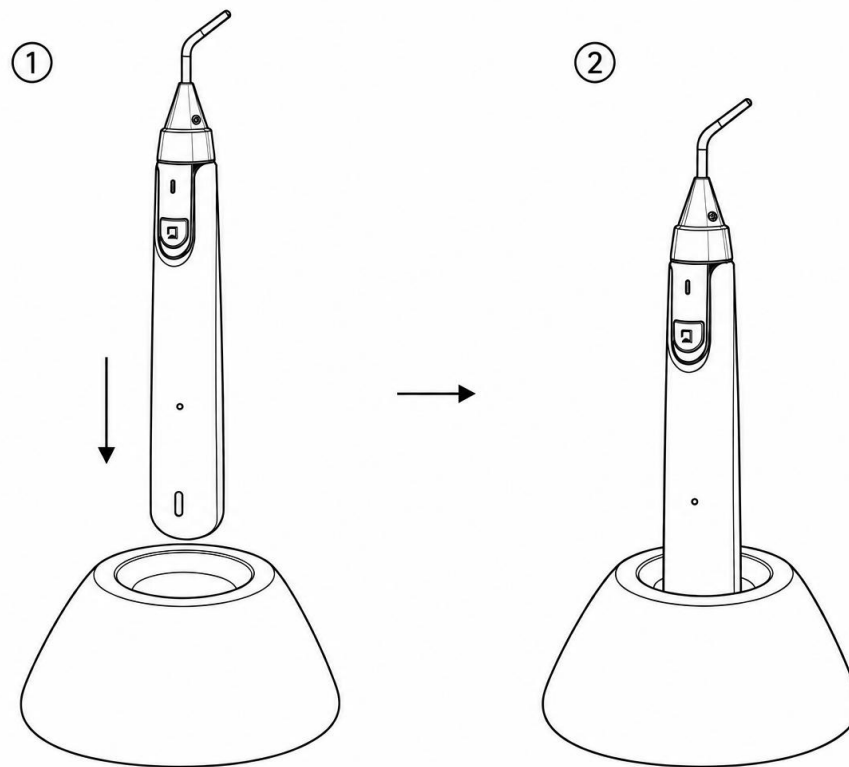


Figure 4. 1 Aligning with the cradle opening. 2 Camera seated in the cradle.

1. Hold the housing and align it with the opening at the top of the cradle.
2. Place the camera in the cradle without applying force to the tip.
3. To remove it, hold the housing rather than the camera tip.

Before first use or after extended storage, charge with the power off for at least two hours. This duration does not guarantee a full charge under all conditions.

5 Holding the camera and antenna precautions

Hold the housing securely with the button within reach. The Wi-Fi antenna is in the lower part of the housing. Avoid wrapping your hand completely around this area.

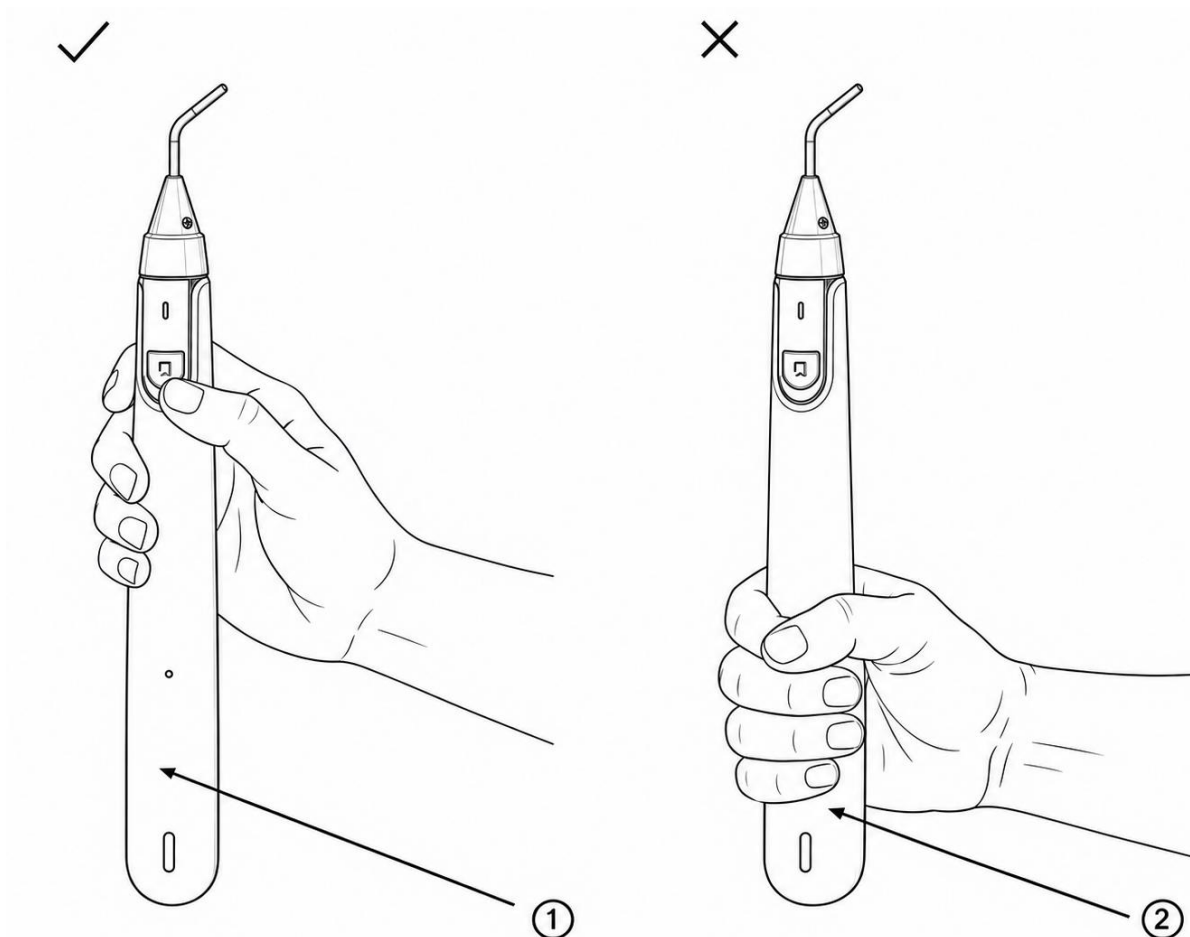


Figure 5. Check: grip that leaves the lower housing exposed. X: grip that fully encloses the lower housing.

1. Hold the upper housing with a finger on the power/photo button.
2. Do not completely enclose the lower housing with your palm and fingers.
3. If the image is interrupted, first loosen the grip around the lower housing, then check the Wi-Fi indicator and app image.

The arrows illustrate grip position. They do not identify the exact antenna boundary or a required separation distance.

6 Button and indicators

6.1 Power and photo capture

One button controls both power and photo capture. Distinguish a brief press from a press-and-hold action.

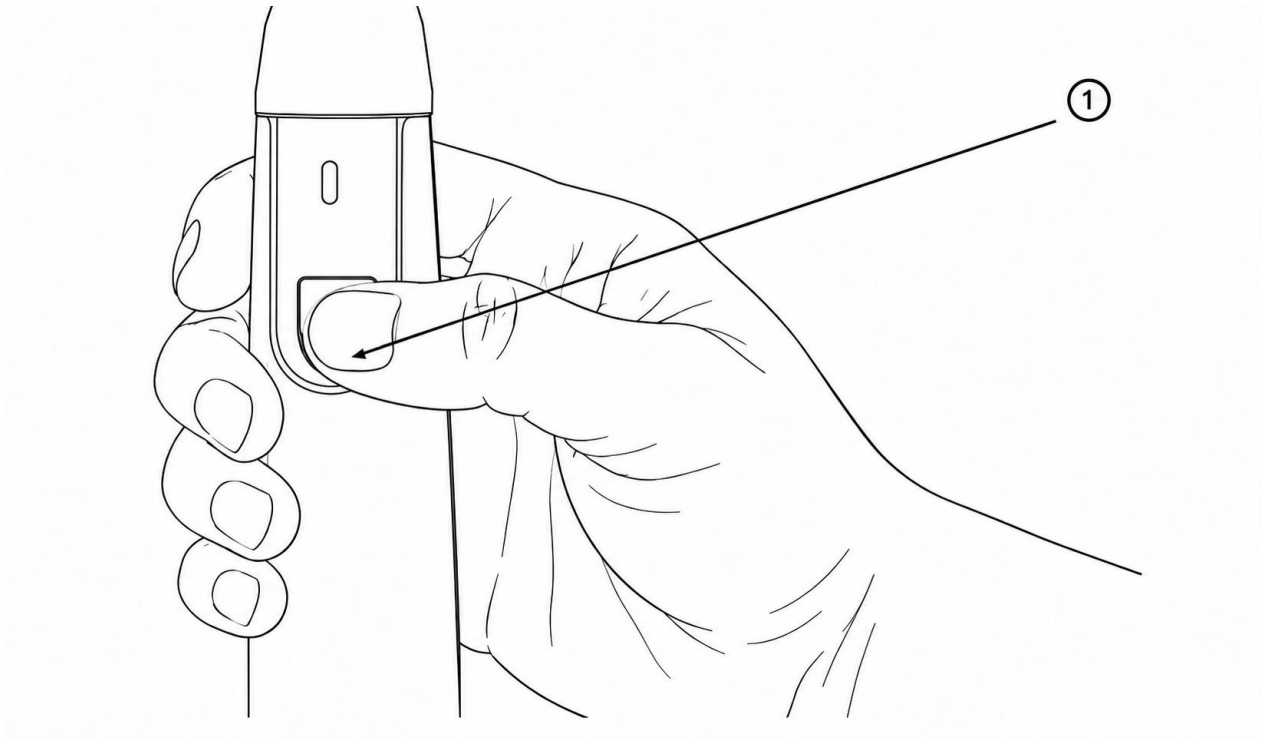


Figure 6. Holding the housing and operating the button

Action	Function
Hold for 2 seconds	Power on/off
Press briefly once	Take a photo

Both housing LEDs start operating when power is turned on. The tip light stays on while the camera operates.

Press the button briefly once to take a photo. Holding it down may be interpreted as a power command.

6.2 Reading the indicators

Vertical indicator above the button

This indicates power status. It lights green when the power is on.

Circular indicator below CAM

This indicates Wi-Fi connection and charging status. Steady green means Wi-Fi is awaiting connection or disconnected. Flashing green and red means connected. Flashing red means charging. With charging power connected and the camera seated in the cradle, it turns off when fully charged.

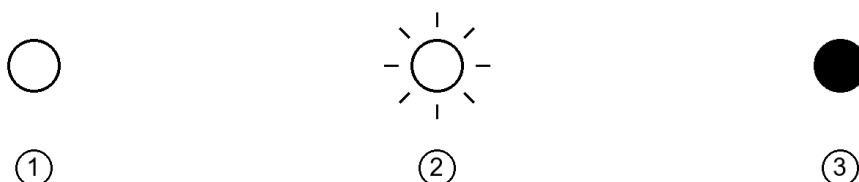


Figure 7. 1 Off. 2 Flashing. 3 Steady light. Black-and-white legend.

Indicator	State or function	Meaning
Vertical housing LED	Green	Power on
Circular 1 mm LED	Steady green	Wi-Fi awaiting connection or disconnected
Circular 1 mm LED	Flashing green and red	Wi-Fi connected
Circular 1 mm LED	Flashing red	Charging
Circular 1 mm LED	Off with power connected and camera seated	Fully charged
Tip light	Steady	Illumination during camera operation
Cradle indicator	Green	DC 5 V power supplied

This product does not provide green/yellow/red battery-level stages.

Fill and ray marks in the black-and-white figure distinguish flashing from a steady light. Use the table above to identify the actual indicator colors.

7 Mobile app installation and Wi-Fi

7.1 Installing the app

Search for WiFi Look in Google Play for Android or the App Store for iOS, then install it.

Android



[Google Play · WiFi look](#)

iOS



[App Store · WiFi Look](#)

Scan the QR code for your platform or select the store link above to open the app page.

1. Press and hold the button for two seconds to turn the camera on.
2. On your smartphone or tablet, select the camera's Wi-Fi name. The name may contain WiFi Look and a device-specific number.
3. If prompted, enter the device password provided with the product.
4. Open the app and confirm that a live image is displayed.

The device-specific number may vary by camera module. Periodic password changes are recommended. Contact support for the procedure for your device.

8 Mobile capture and stored images

1. View the live image in the app. Check the lens and housing before starting use.
2. Take a photo by briefly pressing the camera button once or selecting the snapshot icon in the app.
3. To record a video, use the video recording icon in the app.
4. Select the image-viewing icon or Gallery to check stored photos and videos.



Figure 8. Example capture screen: snapshot, recording and image-viewing icons

Precautions during capture

- Adjust the angle carefully to avoid damaging the camera tip.
- Minimize contact with skin and mucosa during intraoral insertion.
- Use alongside oral suction when appropriate to maintain the field of view.
- During root-canal observation, rotate the tip slowly to inspect the entrance structures step by step.

Photos are saved as JPG files and videos as MP4 files. This section covers WIFI Look on smartphones and tablets. For PC-related resources, see Section 16.

9 Shutdown and storage after use

01 Check saved files

Open image viewing or Gallery in the app and check that the required photos and videos have been saved.

02 Turn the power off

Press and hold the camera button for two seconds to turn it off. Check the power state before cleaning or disinfection.

03 Clean and dry completely

Follow Section 10. Confirm that the device is completely dry before storage or preparing it for the next use.

04 Store the device

Store at room temperature away from direct sunlight. Protect the tip and lens from impact and keep charging connectors dry.

After-use checklist

Part	Check	If abnormal
Tip/lens	Contamination, deformation or damage	Stop use and request inspection
Housing/button	Damage or abnormal button operation	Contact support; do not disassemble
Charging connection	Moisture, poor connection or damage	Do not charge while wet; request inspection
App image	Blur, interruptions and saved results	Follow Section 12

No user procedure is provided for disassembling or replacing the battery or internal components. Ask the manufacturer or supplier for repairs.

10 Cleaning disinfection and care

Turn the power off and disconnect the charging cable before and after use. Check the applicable cleaning and disinfection conditions for each patient. The name of an agent alone does not establish disinfection suitability or whether the device is ready for reuse.

10.1 Alcohol

Refer to the 70-90% alcohol range stated in the product's Korean notification documentation. Do not treat absolute alcohol as equivalent or increase the concentration yourself. Follow both the disinfectant's authorized labeling and the areas, methods and contact time confirmed by the camera manufacturer.

10.2 Hypochlorous acid solution HOCl

HOCl was identified as a disinfection agent in the previously published manual. Follow the HOCl product's authorized use, concentration, contact time, rinsing and drying instructions together with the areas of application confirmed by the camera manufacturer. Do not dilute or immerse the device under unconfirmed conditions.

10.3 Device protection and reuse checks

Do not immerse the entire housing in liquid. Keep the USB charging connector dry and protect the lens and tip. Do not autoclave the device or use an ultrasonic cleaner.

Do not mix alcohol and HOCl with each other or with other cleaners or disinfectants. Check that the required cleaning, disinfection and drying are complete. If device-specific reprocessing conditions are unconfirmed or the device is damaged, do not reuse it on a patient; contact the manufacturer or support.

11 Product information

Item	Details
Product/model	EZ-CAM160
Device type	Intraoral camera
Korean device classification	A31020.05 / Class 1
Korean manufacturing notification	25-1641
Intended purpose	A camera for illuminating and viewing magnified intraoral images
Image sensor pixels	400 × 400
Product length	200-230 mm; adjustable tip length
Housing thickness	25 mm
Charging input	DC 5 V, 2 A
Internal power	DC 3.7 V / 1000 mAh
Wireless connection	Wi-Fi 2.4 GHz
Viewing and storage	On the connected smartphone or tablet
File formats	Photos: JPG / Videos: MP4
Charging method	Charging cradle and USB cable
Storage	Room temperature; avoid direct sunlight
Manufacturer/manufacturing site	DSM HOLDINGS CO., LTD.
Address	Room 310, 3rd floor, Daerim Plaza, 804 Deongneung-ro, Nowon-gu, Seoul, Republic of Korea (Sanggye-dong)

Medical device

For identification and enquiries, check the model and serial number on the product label or packaging. See Section 15 for the tested configuration and electromagnetic compatibility information.

12 Troubleshooting

Find the relevant symptom and follow the checks in order. If the issue persists, contact support. Do not open the housing.

Symptom	Check in this order
Power does not turn on	1 Check charging connections → 2 Charge in cradle → 3 Hold button for 2 seconds and check again
Power turns off when taking a photo	1 Check whether the button was held down → 2 Turn on and reconnect → 3 Press briefly once
Camera Wi-Fi name not visible	1 Check camera power → 2 Refresh the smart device's Wi-Fi list → 3 Restart the camera
Circular LED stays green	1 Check camera Wi-Fi selection → 2 Reconnect → 3 Check the app image
No image after Wi-Fi connection	1 Check the selected camera Wi-Fi → 2 Close and reopen the app → 3 Restart and reconnect the camera

Connection check sequence

Power on → select camera Wi-Fi → check circular LED → view live image in app → take test photo → check saved file

Steady green means Wi-Fi is awaiting connection or disconnected. Flashing green and red means connected. Check both the indicator and the actual image in the app.

12.1 Image and charging issues

Symptom	Check in this order
Blurred image	1 Check the lens for contamination → 2 Read Section 10 → 3 Check the image again
Interrupted or delayed image	1 Loosen grip around lower housing → 2 Keep smart device within 1 m → 3 Charge battery → 4 Recheck connection
Cannot find stored photos/videos	1 Open image viewing or Gallery → 2 Check the live image → 3 Take a test image and check saving
Tip light does not turn on	1 Check power and operation → 2 Restart and check → 3 If still off, stop use and contact support
Only the green cradle light is visible	Green on the cradle means power supplied. With charging power connected and camera seated, a flashing red circular LED means charging; off means fully charged.

When to stop troubleshooting

Stop use and request inspection by the manufacturer or supplier if the tip, housing or charging connection is damaged, or faults recur. Do not open the product or alter internal wiring.

Support: svc@deepcam.ai

13 Frequently asked questions

Q01 Does one button control power and photos?

Yes. Hold for two seconds to turn power on or off. Press briefly once to take a photo. Use the app's recording icon for video.

Q02 How do the two housing LEDs differ?

The vertical LED above the button is the power indicator and lights green when power is on. The circular 1 mm LED below CAM indicates Wi-Fi connection and charging status.

Q03 Why does the circular LED stay green?

Wi-Fi is awaiting connection or disconnected. Select the camera's Wi-Fi on your smart device and check the app image. Once connected, the LED flashes green and red.

Q04 Does a green cradle light mean fully charged?

No. The cradle's green light indicates DC 5 V power, not a full battery. With power connected and the camera seated in the cradle, the circular LED flashes red while charging and turns off when fully charged.

Q05 Do I switch the tip light on separately?

The tip light stays on while the camera operates. If it remains off during operation, check power and contact support if the issue persists.

13.1 Preparation and care questions

Q06 How long should I charge before first use?

Before first use or after extended storage, charge with power off for at least two hours. The charging input rating is DC 5 V, 2 A.

Q07 Is a USB power adapter included?

No. Use the supplied USB-A charging cable with an adapter matching the product's input rating.

Q08 Where can I view captured images?

Open image viewing or Gallery on the connected smartphone or tablet. Photos are JPG files and videos are MP4 files. Confirm saving is complete before closing.

Q09 Can I autoclave or ultrasonically clean it?

No. Do not use autoclave sterilization or an ultrasonic cleaner.

Q10 May I replace the battery or internal parts?

Do not disassemble or repair the device yourself. Contact the manufacturer or supplier for inspection or repair.

Q11 What information should I give support?

Provide the model, serial number, symptoms, indicator state, smartphone or tablet and app details, and the checks already attempted. Do not include patient-identifying information.

14 Support and warranty

Customer support

svc@deepcam.ai

www.deepcam.ai

Warranty and service outside Korea

International warranty information

Component	Coverage
Device	For products supplied outside Korea, contact DentalX to confirm the applicable warranty and service terms.
Battery	Product registration does not extend battery warranty under this overseas edition.

Information to prepare before an enquiry

1. Model EZ-CAM160 and the product serial number
2. When the issue occurs and the power, battery and Wi-Fi indicators
3. Smartphone or tablet and app information
4. Troubleshooting already attempted, including charging, reconnection and restarting

Adverse-event and safety enquiries in Korea

National Institute of Medical Device Safety Information: 080-080-4183 (Korea)

Use this contact for enquiries about adverse events or safety information related to device use.

For the manufacturer, address and Korean notification information, see Section 11.

Intraoral camera / EZ-CAM160 / Korean manufacturing notification 25-1641

Document DC160-IFU-EN / October 2026 / Rev.2

Based on Korean Rev.14 dated 2026-10-27

15 Identification and EMC information

This section gives product identification and the verified EMC test configuration. Results apply to the tested sample and standards; they do not establish sales authorization in all countries or wireless certification.

15.1 Product identification and test configuration

Item	Verified information
Model	EZ-CAM160
Korean KC conformity registration	R-R-dMh-EZ-CAM160
Charging input rating	DC 5 V, 2 A
EMC sample RF board	SF-SA3857
EMC sample versions	H/W V2.0 / S/W V6.7
EMC test report	DT&C DREFCC2610-0096 / 2026-10-06
Test standards/class	FCC Part 15 Subpart B / ICES-003 Issue 7 / Class A
EMC test results	Conducted and radiated emissions: pass

The board and versions above identify the configuration recorded in the test report. Check the markings on your own product for its identification and software information.

16 PC version and separate guides

This manual covers smartphone and tablet operation. PC resources will be provided separately after the relevant amendment process and final installation package are completed.

16.1 PC installation guide

PC installation packages, supported environments and installation screens will be provided separately when finalized. PC installers are not currently distributed on the website.

16.2 Software manual

Detailed PC screen-by-screen guidance for capture, recording, storage, gallery and playback will be provided separately. The software manual is not currently distributed on the website.

16.3 Scope

Detailed PC installation and operating steps are not repeated here. The existence of separate resources does not mean that final PC support, validation or the additional Korean amendment process is complete.