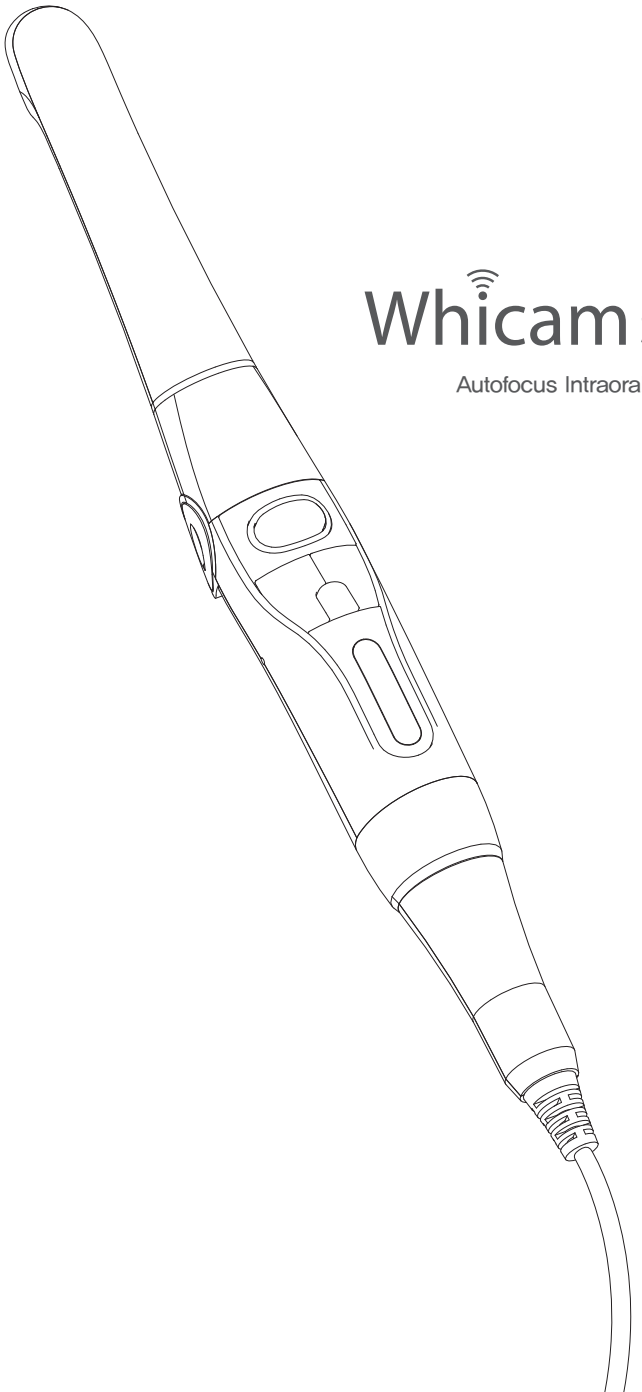

Whicam Story3 CS

Autofocus Intraoral Camera with Mouse

Wired type

User manual

Eng

CE

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- Overview

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1 Introduction

Thank you for purchasing the device. The instructions described below have been designed to provide the necessary information for the successful operation, daily maintenance and safety for the use of this unit.

Features

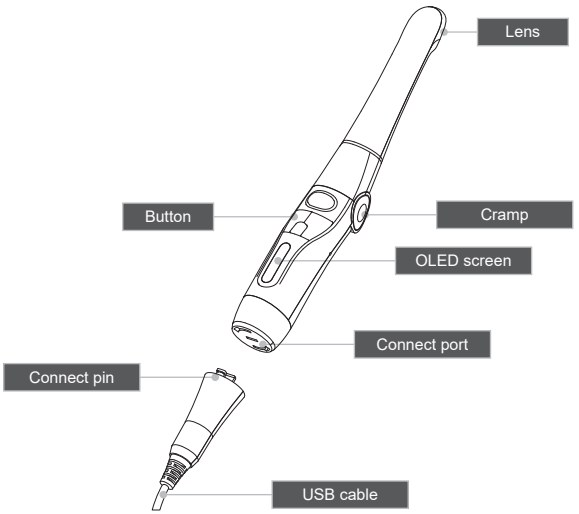
- Autofocus
- Gyro mouse built-in
- Adjustable head angle
- 280° twist head
- Adjustable LED brightness
- Software compatibility
- Easy to read OLED screen
- Dental image software included (DrsViewer2)
- 3 color impressions

Description

This device is an intraoral camera used to take images of the inside of the mouth or oral cavity.

Overview

1) Camera



2) USB cable

2 Safety information

It is important to understand the following information to use this product safely.

Symbols

Warning	Indicates a potentially hazardous situation which, if not avoided, may result in serious injury or death.
Caution	Indicates a potentially hazardous situation which, if not avoided, may result in minor/moderate injury or in damage of property.

Notes and References

Notes and References used in this manual are shown below.

Note	Indicates that potential malfunctions may occur if the description is ignored.
Reference	Supplementary information to facilitate better operation.

2 Safety information

Installation and Connection

Warning

- Before use, check that there is no dust or foreign particles in the USB cable or connection part to avoid an electric shock.
- Keep away from sources of ignition.
- Protect the device from any liquid to avoid an electric shock or functional error.
- Place the device on a plate, stable surface, or cradle supplied.
  Dropping the device could result in an internal defect that may cause overheating or fire.
- Do not place the USB cable near a gas burner or other sources of heat. Should the cable catch on fire or become damaged, replace with a new one to avoid short-circuiting.

Caution

- Do not use or leave the unit in areas of high temperature or exposed to direct sunlight. Internal circuit faults may cause the device to overheat or catch on fire.
- Securely connect the dust-free USB cable. Use this device in well ventilated areas, as overheating may cause ignition.

2 Safety information

Operation

Warning

- Do not plug in the USB cable with wet hands. This may result in an electric shock.

- Do not use this product on a person with a pacemaker as it may cause malfunction of the pacemaker.

- Use a disposable cover for each new client to prevent cross-infection.

Caution

- Do not disconnect the USB cable by pulling on the cable. This may result in an electric shock or fire.

- Avoid damage or use of unnecessary force on the USB cable. This may result in an electric shock or fire.

- Remove the USB cable if the device is out of use for a long period of time.

- Do not use this product for any purpose other than dental use.

- This device is not water prove. Use disposable cover when use to avoid wet the device. In case of malfunction due to this case, it is not covered by warranty.

- The product may malfunction or disconnect from the PC due to static electricity.

2 Safety information

Maintenance

Warning

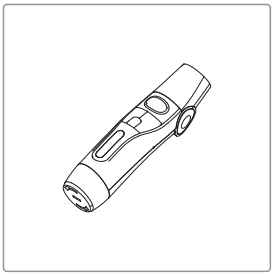
- Never disassemble or repair the product, this may cause injuries, electric shock, or fire.
- Avoid getting the unit wet to prevent an electric shock.
- Ensure that the USB cable is disconnected prior to cleaning.

Caution

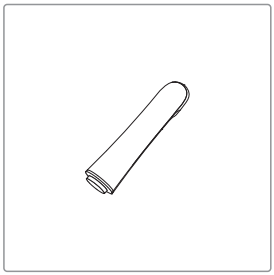
- If the OLED screen malfunctions, remove the USB cable and reinsert it.
- Do not use solvents oil, ethanol, or acetone to cleaning and disinfection.
- The user must be in charge of the operation and maintenance of the device.

3 List of components

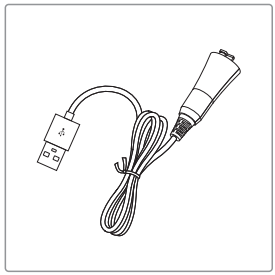
Please check the contents described below when removing the contents from the original packaging.



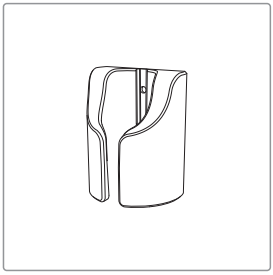
Camera body



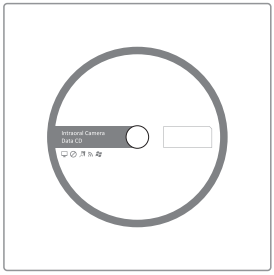
Camera head



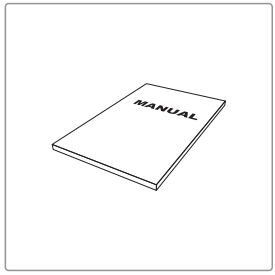
USB cable



Cradle



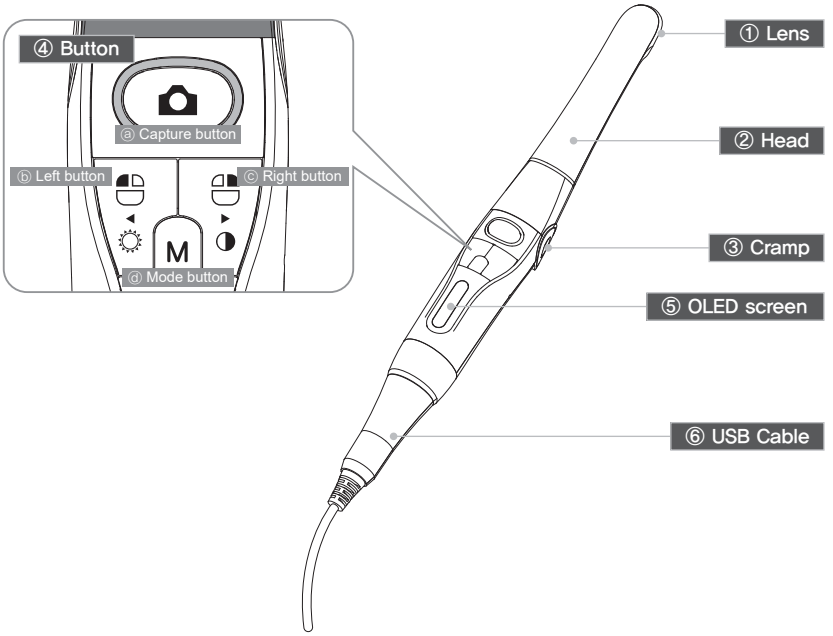
Data CD



User Manual

Disposable cover x 2ea
(x 100 pcs by weight)

4 Parts and functions



① Lens
- Image is reflected on the lens through prism.

② Head
- Twistable 280° degrees
- Detachable

③ Cramp
- Change head angle (3 steps)

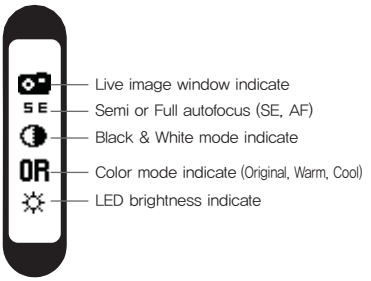
④ Button
ⓐ Capture button
- Image capture, focus adjusting, select

ⓑ Left button
- Mouse left button

ⓒ Right button
- Mouse right button

ⓓ Mode button
- Mouse moving activate, setup mode, cancel

⑤ OLED screen
- Show the device states

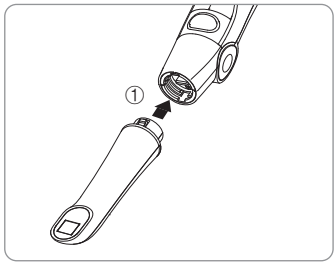


⑥ USB Cable
- Connect with camera and PC.

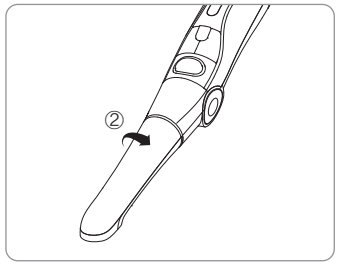
5 Installation

1. Camera head connection

Connect the camera head with body. Be careful and do not force much when connect the head.



Place the camera head to body



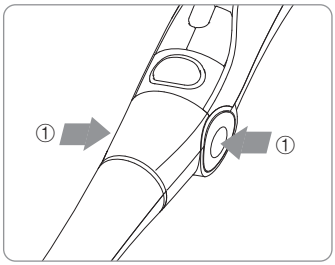
Spin the camera head for arrow direction.

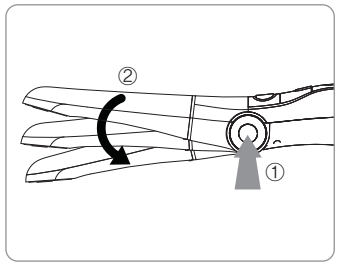
Reference

The camera head should be placed upside down to connect it.

2. Change the camera head angle

Push the both cramp and change the camera head angle.





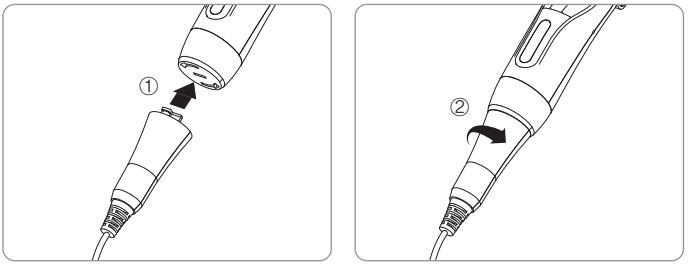
Caution

Should use cramp when change the angle. If don't the durability will be weaker.

5 Installation

3. USB cable connection

Connect the USB cable with body as follow picture.



Caution

Be careful to connect the USB cable with body. Do not force too much

4. Camera connection

Connect the USB cable to USB port of PC. Then device is turned on.

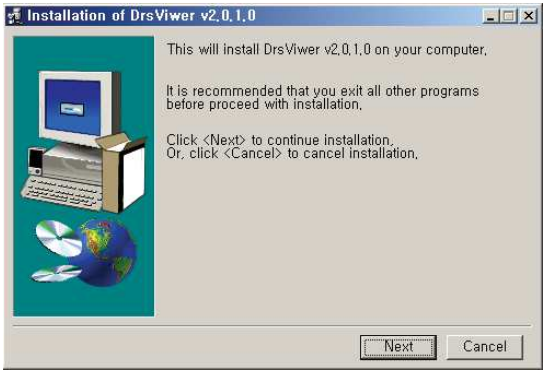
Booting

Standby
(live screen off)

Standby
(live screen on)

5. DrsViewer2 installation

- If you don't have other Viewer software



< Installation DrsViewer2 screen >

Reference

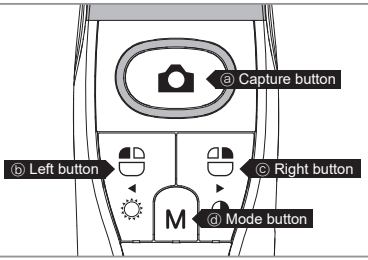
In case to use other software, contact local dealer.

6. Camera device setup

- Click and hold left button and right button for 3 seconds. Then the device is turn to setup mode.

Reference

- ⓐ Capture button: select
- ⓑ Left button: down
- ⓒ Right button: up
- ⓓ Mode button: Cancel



1) Capture key setting

- Select appropriate capture key
- Default value is “Space”

Reference

Capture key can be changed with “HIDDrs Manager” in the CD.

2) Mouse speed

- Select appropriate gyro mouse speed. (5 levels)
- Default level is 3

3) Turn off time

- Select turn off time of device (5, 10, 15, 20, 30 mins)
- Default time is 5 mins.

4) Autofocus & Autocapture

- Select “Disable” or “Enable”
- Default value is “Disable”

Reference

To avoid shaking image there is Auto capture function.

* Auto capture:
- Semi autofocus (Disable): Half click and hold the condition, image is captured after 1 seconds after get focus, and image is captured for every 2 seconds.

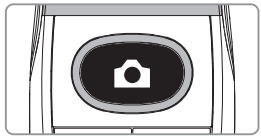
- Full autofocus (Enable): Half click is image capture and hold the condition, image is captured for every 2 seconds.

6 How to use

1. Turn on the device

- Connect USB cable to PC and device. Then the device is turn on with LED blink and beep sound.

2. Image capture



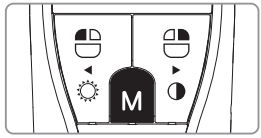
- Click camera icon on the DrsViewer2. Then live image is shown.

- Half click is focus adjusting, and click is image capture.
  If the mode is full autofocus mode, half click is image capture.

Reference

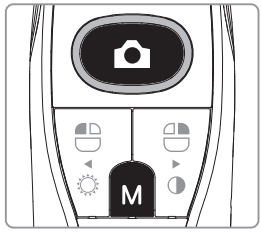
Default setup is semi autofocus. And capture key is “Space”
To use other company software, need to check capture key.
Or need to use twain driver.

3. Mouse



- To move mouse cursor click mode button and shake the device.
  Then mouse cursor is moved as device shacked.

4. Color impression changing

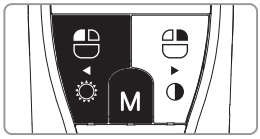


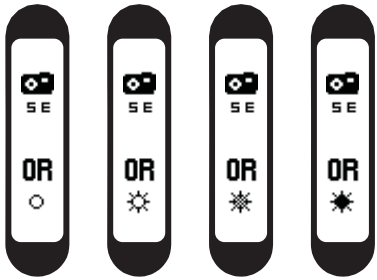
- Click mode button and capture button on live image.
  Then the color impression is changed.

- Original ⇒ Warm ⇒ Cool color impression is rotated.

5. Brightness change

- Click mode button with mouse left button. Then LED brightness is changed.





Turn off ⇒ Brightness LV1 ⇒ Brightness LV2 ⇒ Brightness LV3 is rotated.

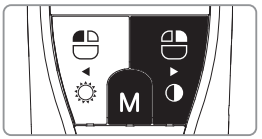
Reference

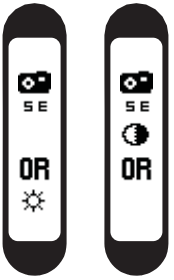
Brightness change is worked on live image is on.

6 How to use

6. Black & White mode

- Click mode button with mouse right button.
  Then LED turn off, and live image changed to black & white mode.





Normal ⇒ Black & White mode is rotated.

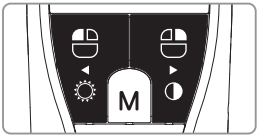
Reference

Black & White mode is worked on live image is on.

7. Setup mode

- Click mouse left button and mouse right button both for 3 seconds.
  Then setup mode is shown.

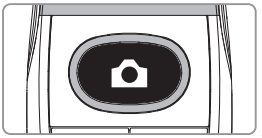
- About setup mode, please refer,
  “5. Installation ⇒ 6. Camera device setup.”



8. Turn off

- Click the capture button for 3 seconds, the device is turned off.

- The device is turned off automatically, if there is no signal for
  minutes set on setup mode.

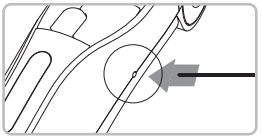


Reference

- User can adjust the sleep mode time for 5, 10, 15, 20, 25, and 30 minutes on setup mode.

9. Reset

- If the device doesn’t work normally, reset the device. Then the device will be reboot.



7 Maintenance

Cleaning and disinfection

- Clean the camera gently with clean, soft, lint-free cloth.
- Avoid using solvents which contain ethanol or acetone.
- Do not use sharp or pointed tools to clean as they may damage or scratch the plastic.
- Be careful not to spill any liquid into the device.
- Use disposable cover when use the device to avoid cross-infection and spilling any liquid into the device.

Maintenance

- Do not disassemble the device for any purpose.
- To repair the device, please contact authorized dealer or manufacturer.
- Remove the USB cable from PC, if the device is not in use for long period.

8 Trouble shooting

If the device not works normally, please refer to the following points.

Problem	Cause and solution
Button doesn't work	If the button is pressed with excessive force, it would not work, try pressing the button gently. In case of installation or device setting is incorrect, the button could not work. Check the 5. Installation and 6. How to use.
Display screen does not work	If the USB connection is not good, or USB electric power is not enough the camera is not work. Check the USB connection. And use other USB port.
Power off while in operation	If the USB cable is not connected properly, the device may turn off. Check the USB cable connection.
Not able to capture image	Capture key-value would not match with other company dental viewer software. Please check keyboard short-cut. If you don't know it please ask the dental viewer software vendor. And check the key-value of device.
Live image is not shown	If the device is not recognized well, live image is not shown. Please check camera connection or imaging device of device manager. If there is TV tuner in the PC. The image could be not shown. Check "Disable" the TV tuner device on the device manager. If you use other company dental viewer software, it would be related with its setting. Please ask to the dental viewer software vendor. If you use other company dental viewer software, other imaging device (ex. Web-cam, etc.) should be checked for "Disable". Some codec makes block the live image shown. Uninstall the codec file. (ex. klite codec and etc.)

* If the trouble is not fixed after following solution, please contact your local dealer or manufacturer.

9 Specification

■ *Equipment Class*

Model:	IC-WHW61
Trademark:	Whicam Story3
Power supply:	5V USB power
Protection from ingress of liquids:	IPX0 (ordinary equipment)

■ *Operation, transport, and storage condition for the main unit*

	Operation	Storage	Transport
Temperature	10~40C	0~40C	-10C~50C
Humidity	10~80%	0~80%	0~80%
Atmospheric pressure	800 ~ 1060 hPa		

■ *Additional Information*

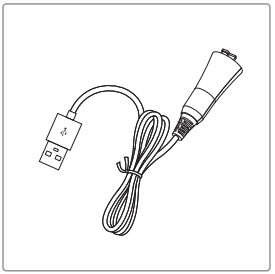
Camera (included head)	Operation voltage	5V
	Measurement	Approx. 210 x 31 x 37 mm
	Weight	Approx. 75g
	Resolution	1.3 Mega pixel sensor
	Sensor/Lens type	CMOS / Liquid lens
USB cable	Length	Approx. 3 M
Disposable cover	Quantity	Approx. 100 pcs by weight x 2ea
	Raw material	Polyethylene

■ *Minimum system requirement*

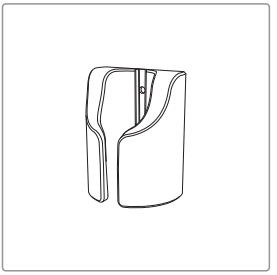
PC system:	2.0 Ghz CPU, 1GB RAM
OS:	Windows XP service pack 3
USB port:	USB 2.0

* Upper specification is changeable without prior notice.

10 Accessories



USB cable



Cradle

Disposable cover
(x 100 pcs by weight)

11 Warranty

This product is only shipped after strict inspection. Should the product incur any problems under normal use conditions within one year from the date of purchase, the repair will be free of charge.
However, repair of consumables (Disposable Cover, and etc.) are not covered by the warranty.
For more information, refer to the 12. Warranty card attached.

Serial number check.

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Tel : + 82 32 424 6325 Fax : + 82 32 424 6326
E-mail : info@gooddrs.com Website : www.gooddrs.com

Warranty card

We guarantee the quality df the product as follows

Name of product :

Name of model :

Customer information
- Office name :
- Office phone :

Distributor
- Dealer name :

Assurance period
- Date of purchase : from , , 20
  Product is for 1 year except accessories.

< Assurance details >

1. If there is any defect of manufacturer or product has any fault itself within the assurance period, it will be replaced with the same product.

2. Below cases are not effective for the free refund.
- Malfunction and damage according to user's carelessness.
- Malfunction and damage according to natural disaster such as fire, earthquake and flood etc.
- Malfunction and damage according to user's intention or accident.
- Malfunction and damage according to using incompaible product.

3. The manufacturer does not accept any liability resulting misuse.

http://www.gooddrs.com

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