We make every image great
See what you've been missing

EzCam™

STABLE PHOTOGRAPHY
Two capture buttons minimize motion artifact
even in maxillary photography

HIGH QUALITY IMAGE
Get clear image through auto-focus function
Reduce image distortion using aspherical lens

CONVENIENCE
Use it immediately without driver installation
Use it immediately without capture software installation
Automatic on/off control

vatech

WHY WE USE INTRAORAL CAMERA?

When you get a "DSLR", you need to consider for...

☑ **Training**

Especially for the new staffs, It takes time and extra training for them to get used to the DSLR.

☑ **Inconvenient photography**

With DSLR, it is not possible to enter into the mouth so you can not have a photo with a desired angle.

☑ **Lens disinfection**

Camera lens must be disinfected after every photography and this bothers your busy staffs.

☑ **High price**

Most clinics have only one or two DSLR.
This means that the camera is used for multiple patients, so it moves from one to another chair.

When you get a "intraoral camera", you are able to...

☑ **Use immediately without training**

Intraoral camera doesn't need any training.

☑ **Take free close-up shot with various angles**

Since the intraoral camera can access the posterior teeth, it is possible to taking a close-up shot of individual tooth from the desired direction.

☑ **Be free from disinfection**

Compared to DSLR that requires lens disinfection, intraoral camera only needs to remove its hygienic cover.

☑ **Save costs & stay efficient**

Place the intraoral cameras for each chair. You can organize your workflow efficiently and save time.

DSLR	Intraoral Camera
carry carry carry	Budget friendly
One unit for many = need to carry	**One unit for each = NO need to carry**

WHY WE USE EZCAM?

SIMPLE, BUT ESSENTIAL

- **Intuitive and automatic On/off control**

  When you open your dental imaging software's acquisition feature, EzCam will automatically turn on with light and the camera status indicator will turn green. When you close the software's acquisition feature, EzCam and its light will automatically turn off and the camera status indicator will change blue.
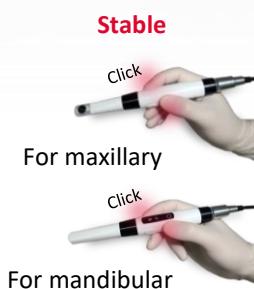
- **Two capture buttons minimize motion artifact even in maxillary photography**
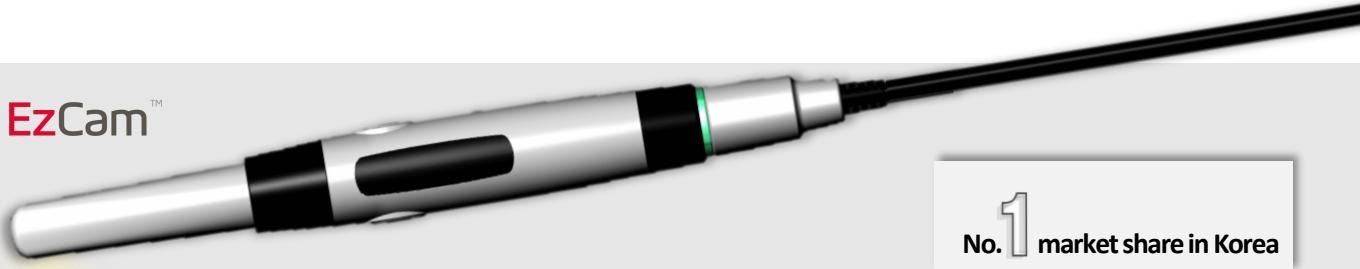
Button on single side	Buttons on both sides
Unstable	**Stable**

  Click

  VS

  Click

  For maxillary

  Move

  Click

  For mandibular

  As there are two capture buttons on both the left and right sides of the camera, the thumb and index finger can provide a support for each other, which results in stable positioning minimizing motion artifact. This button arrangement let you stay much stable even in maxillary photography.

EzCam™

No. 1 market share in Korea

- **Simple User interface**

  With EzCam, you don't need to remember each setting.
  Its simple user interface will reduce the using time and make work simpler and faster.

- **Excellent durability**

  EzCam is not a product assembled with a ready-made camera modules.
  EzCam is designed to be durable with the internalized lens optics design technology built into it.
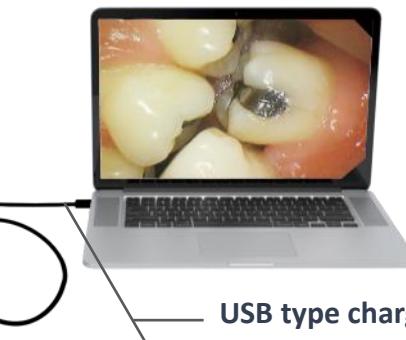
"40g" AS LIGHT AS AIRPODS

What happens when you use a heavy equipment…

The weakest part of the body is the carpe (wrist joint).

Taking numerous shots with a heavyweight equipment will weaken and hurt the wrist joint.

NO INSTALLATIONS, PLUG AND PLAY

USB type charged
Spacious cable length
(3m default / 5m optional)

Use continuously even after PC changed

No need USB Driver install

Ready to use by connecting only the cable

No need capture program install

Many other companies' softwares require an installation of a capture program to send an image capture signal. But EzCam doesn't require any installation, as it can create a capture key value by itself.

TRUE AUTOFOCUS OPTIMIZED

See detail of your ROI

Automatically focuses according to the distance between the camera and the filmed object. When turn on the camera, auto-focus mode starts. No manual adjustments required. You can also zoom-in and fix the focus by using macro button.

※ Focus Range
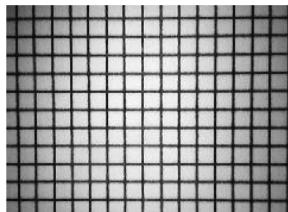: 9mm~35mm

SHARP, CLEAR IMAGES

The EzCam really delivers where it counts:

capturing vivid, high-resolution images as easily as possible. Readily visible and obstructed areas

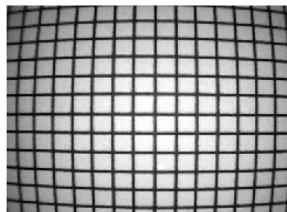take on a whole new light and its aspheric lens prevents image distortions.

Images taken by an aspherical lens

Aspheric   Spherical

VS

Since EzCam uses an aspherical lens, it has less image distortion and therefore provides excellent image quality suitable for diagnosis.

PRODUCT SPECIFICATIONS

Image sensor	CMOS/5MP
Resolution	1280X720
Light source	2 White LEDs
Focus range	9mm~35mm
Angle of view	62°
Length of cable	USB 2.0, 3m (Option: 5m)
Dimensions	198 x 24 x 23mm
Weight	40g (Handpiece only)
Operating Voltage	5V DC, 500mA

FAQ

1. **Can it be used with all types of Viewer SW?**
   Available in most viewers. However, since the capture key value is different for each SW, it is necessary to adjust the capture value before first use.

2. **No response when I press the capture button. What can I do?**
   If the device is not malfunctioning, this is because the capture value is different for each SW.
   It can be used after simple & quick capture key adjustment.
   For adjustment, please refer to the "EzCam key setting for image capture".

3. **Which version of Windows is it compatible with?**
   It is compatible from window XP Service pack2, but we recommend win7 or higher.

4. **The camera suddenly fails to operate after updating the PC. What should I do?**
   After Windows 10 1803 update, the microphone or webcam may no longer work. The update automatically sets your privacy settings, blocking the software from accessing your microphone and webcam. To make it work again, you need to allow the software to access it.

5. **Can the image data taken so far be linked after I change the PC?**
   The image data is saved in the software DB, so it has nothing to do with the camera.

6. **Is the product certified?**
   FDA, CE, ISO certified products. (Class 1)

7. **How long is the lifespan?**
   If there are no external failure factors such as shock or flooding, it is expected to be 10,000 hours, about 10 years.

8. **Autoclavable?**
   Non autoclavable

9. **Is it waterproof?**
   No. Do not expose to water or high humidity.

10. **Does the camera have image stabilization function?**
    No. However, EzCam has a capture button on both sides, so you can prevent the hand shaking that occurs when you click the button. In addition, in order to get a good intraoral image, it is necessary to use the camera leaning against the anterior teeth or using the finger against the lips. And these techniques can prevent hand shaking.

11. **Can I connect to a 3.0 port other than USB 2.0?**
    Usb3.0 port can be connected.

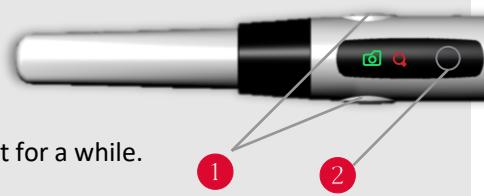12. **Which is better compared to the iPhone image quality?**
    iPhone has better resolution in general. However, EzCam is better for taking intraoral clinical image. It is meaningless to compare the image quality, because iPhone and the intraoral camera have different purposes in use.

13. **The image quality of the taken one looks poor. Why is that?**
    Sometimes, there are people who say that the resolution looks poor while looking at the outside, not inside the mouth. However, EzCam is optimized for brightness and focus inside of the mouth. Also, EzCam supports up to 1280x720 resolution, but up to 800x600 can be said to have high resolution. Increasing the resolution takes up a lot of the database.

EZCAM KEY SETTING FOR IMAGE CAPTURE

1. Connect the camera.

2. Open Notepad or Word.

3. Press buttons ❶ (either of two)and ❷ at the same time and wait for a while.

4. A buzzer sounds after about 3 seconds.

5. After the buzzer sounds, press the button ❶ repeatedly while keeping your finger pressed on the button ❷. Then notepad displays /a~/p in order.
See the capture key setting table below and change the setting according to the software you use.
(*This information may change depending each software version upgrade.)

Untitled - Notepad
File Edit Format View Help
/a/b/c/d/e/f/g/h/i/j/k/l/m/n/o/p/a/b/c

6. Lift the finger away from the button ❷ to complete the setting.

Code	Keyboard short-cut	Software	company
/a	Joystick (Game port)		
/b	Space	EzDent-i	Vatech
		Dentall viewer	Dentall
		Suni	Suni
		Cliniview	Instrumentarium
		Triana	Genoray
			Sopro
/c	Enter	Dental eye	Dental eye
		Dental focus	Faro
/d	F5		Kodak
/e	Space +T	DEXIS	DEXIS
/f	Alt+C -> Alt+S	Dentrix	Dentrix
/g	Alt+C -> Alt+L	EVA Soft	Image works
/h	Space+S -> Space	Digora	Soredex
/i	G	CADI	
/j	Alt+G - Space	Vixwin	Gendex
/k	Ctrl+Shift+V	Sidexis	Sirona
/l	Alt+F -> Alt+S	Romexis	Planmeca
/m	Alt+F -> Alt+T	CDR DICOM	Schick
/n	C -> U	CDR DICOM	Schick
/o	Space -> Enter	Dental vision	Dental vision
/p	Ctrl+I	XDR	XDR

※ The above information may change depending on the software version.

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