

# Intraoral Camera

## DS-741



**MicroView™**

*Professional in Dentistry*



- 1/4 inch Sony Super CCD sensor
- 7-element glass optical lens
- uses a LED light source
- view intraoral and extraoral images without a lens change
- portable, lightweight and compact

## About DS-741

A highly sophisticated optical unit and high quality electronics which have been developed around a 1/4 inch Sony Super CCD chip and proprietary 7-element glass optical lens means that the MicroView™ DS-741 can offer you produce unsurpassed image quality.

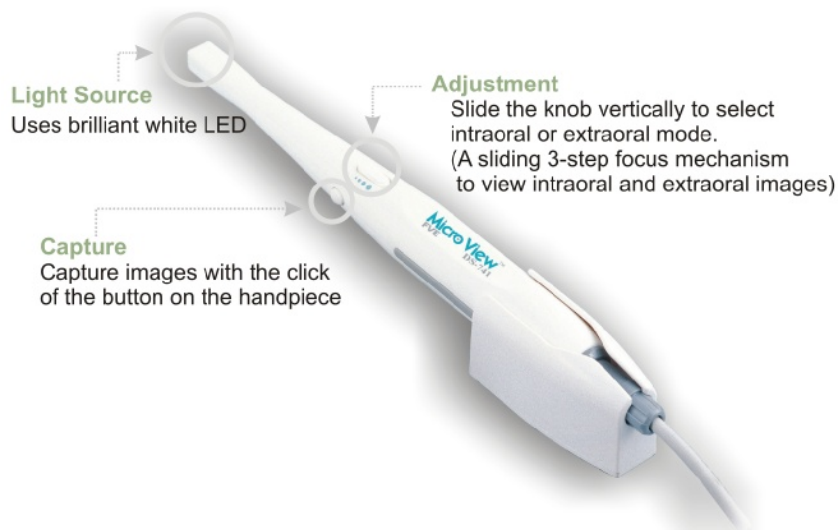
The camera offers high definition imaging, uses a LED light source, has capture control capability on the handpiece, and a sliding 3 step focus mechanism to view intraoral and extraoral images without a lens change.

The MicroView™ DS-741 is portable, lightweight, and compact allowing ease of operation as well as installation.

Digital(USB) or Analog(Composite) options offer flexibility to fit your practice needs with or without a computer and compatibility with your hardware and software.

## Handpiece

Advanced ergonomics and a lightweight 50g handpiece



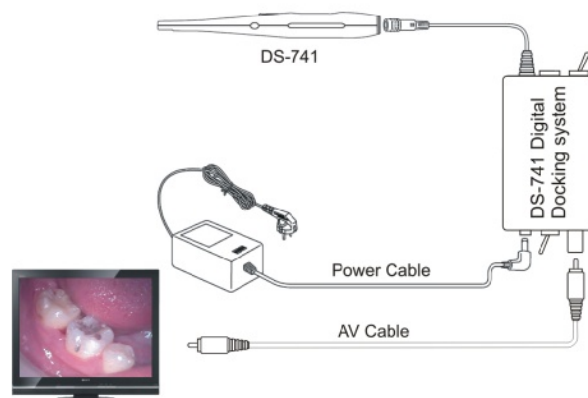
## Docking system

Digital or Analog options offer flexibility to fit your system

### Analog docking system

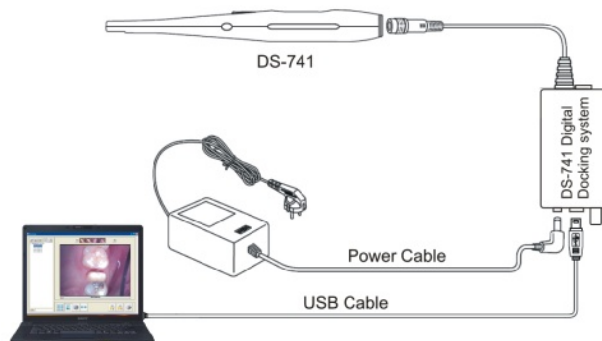
The Analog Docking System plugs into a TV monitor, video capture card, or video printer. The docking station has capabilities of saving up to 4 images in memory and controlling all its functions with a click of the capture button on the handpiece.

Analog Docking offers 2 modes which are controlled by the toggle switch on the docking system.



### Digital docking system

The Digital Docking System connects directly to your computer via a USB 2.0 port. There's no need to use a separate video capture card. It integrates easily with imaging software and allows the capture button on the camera to freeze, and save images in the software. The DS-741 Digital Docking system is designed to work with imaging software that supports Direct Show.



## Clear and sharpness image on one/four split screen operation(Analog docking system)

Built-in Mirror image and snap screen function,there are 2 modes which are controlled by the external toggle switch on the analog docking system.



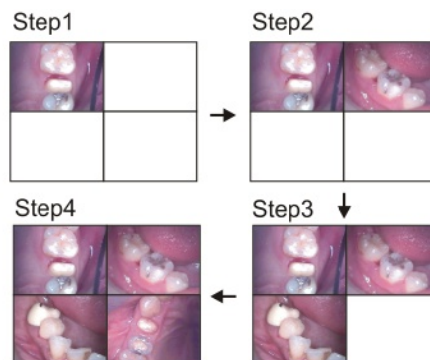
### Single Screen

The Single Screen mode displays live single frame images which can be frozen with at one click of capture button. Another one click releases the freeze and returns to the live mode.



### Four Split Screen

The For split screen mode displays live single frame images which can be frozen with at one click of capture button. Another one click can be frozen next screen until four frame images has captured (Step 1 to Step4). At the quad screen, another one click releases the freeze and returns to the live mode.

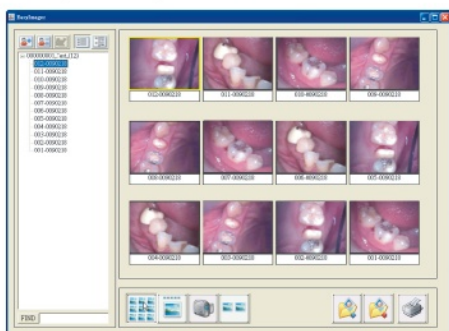


## Easy use software management system(Digital docking system)

The EasyImager is the newest version of video management system. It is designed to provide user a variety of powerful tools to better manage the video microscope image.

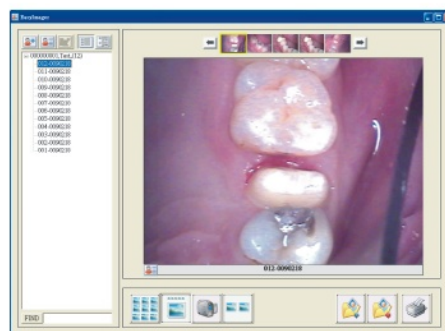
### Album mode

To manage the information of customers.  
To browse the picture of customers.  
To print out the picture by Photo Printer.



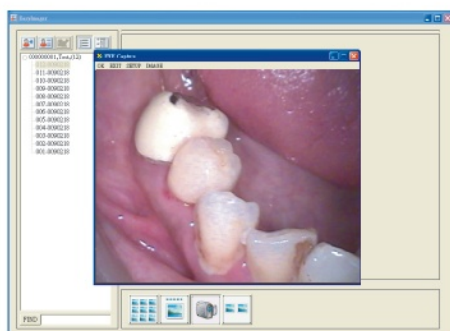
### Slide mode

To use the Picture:640x480 as a slide viewer  
To observe the remark of the picture.



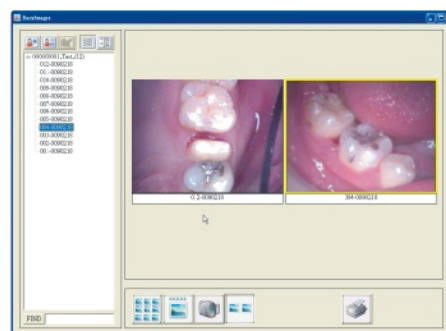
### Captrue mode

To take a photo and save as a file.



### Comparison Mode

Can note down and compare with the case picture to the detection of different customers, or it proves it improves the situation to record to measuring each time.





## ■ Specifications

### Handpiece

**CCD sensor:**

1/4 inch Sony Super CCD chip

**Signal System:**

NTSC / PAL

**Effective Pixel:**

NTSC 768(H)x494(L)

PAL 752(H)x582(I)

**AGC/White:**

Balance Automatic

**Horizontal Resolution:**

470 TV-lines

**Optical system:**

7-elements glass optical lens

**Focal Range:**

1mm~infinity

**Angle of View:**

75 degress

**Adjustment:**

3 set position (Extraoral, Intraoral, Macro)

**Light Source:**

High luminance white chip LED

**Handpiece length:**

230mm

**Input rating:**

POWER DC 5V

**Handpiece:**

50g

**Cable:**

2.5m

### Docking system

**Digital docking:****Signal:**

NTSC/PAL

**Video Input:**

Composite Video 1.0Vp-p

**Video Output:**

USB 2.0 (High speed) Video image

**Analog docking:****Signal:**

NTSC/PAL

**Video Input:**

Composite Video 1.0Vp-p

**Video Output:**

Composite Video 1.0Vp-p

**Fine Vision Electronics** is an independent design and manufacturer of the advanced microscope system, illumination products and high intensity LED type curing light equipments. With more than 10 years of design and manufacturer experience. Fine Vision has the knowledge, the commitment and the resources to provide complete customer solutions.



[WWW.FINEVISION.COM.TW](http://WWW.FINEVISION.COM.TW)

11/F., NO 123-8, HSING TE RD.,  
SANCHUNG CITY, TAIPEI COUNTY  
TAIWAN R.O.C.

TEL: 886-2-85123668

FAX: 886-2-85123678

Web Site : [www.finevision.com.tw](http://www.finevision.com.tw)

E-mail : [info@finevision.com.tw](mailto:info@finevision.com.tw)