

Intra Oral Camera Operation and Installation Manual

(#113494)



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1. Introduction

1.1.Introduction of products

Super Cam is the newest hand-held intra oral camera from us. Its lightweight design and smooth contours make it both comfortable to hold and easy to use. Taking images with Super Cam's integrated capture button makes video capture a simple one-step operation. And its built-in LED light source provides reliable, long-life illumination.

1.2. Standard configuration

The Super Cam system hardware consists of the following components.

1. Super Cam	1 piece
2. Super Cam Cable	1piece
3. Camera Sheaths	50piece
4. Disk	1piece
5. Transmitter	1piece
6. Receiver	1piece
7. Docking station	1 piece
8. USB Cable	1 piece
9. VGA Cable	1piece
10. IR Cable	1piece
11. Remote Control	1piece
12. DC-5V transformer	1 piece
13. Disk	1piece

1.3. Characteristic

1/4" Sony Super HAD CCD

High resolution, High sensitivity, High performance

Compact Size, Easy to use and focus

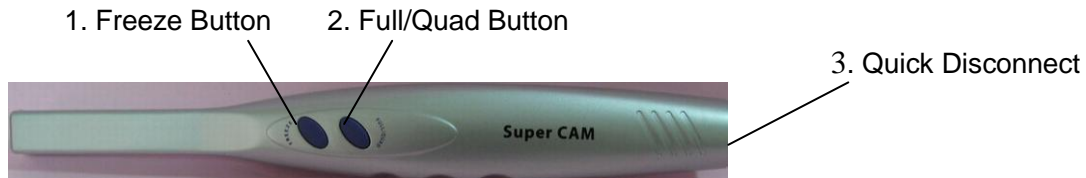
Reliable light source with 6 pieces of white light LED

2 or 3 keys function control

Display amazing clear images in two different viewing modes: Live and Freeze

2. Operation

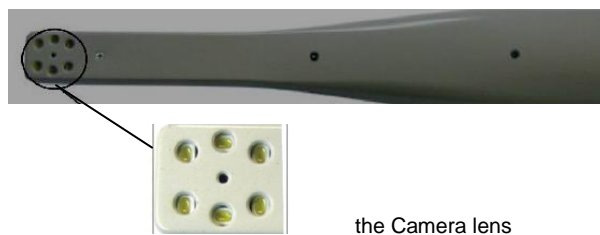
2.1 Intra oral camera



1. Press option 1, power on the camera, then press it again, the image will be freeze in the monitor, when press option 1 with 2 seconds. The camera will be power off.

2. Choose to capture image in full screen or capture 4 images (quad)

3. Quick disconnect for portability



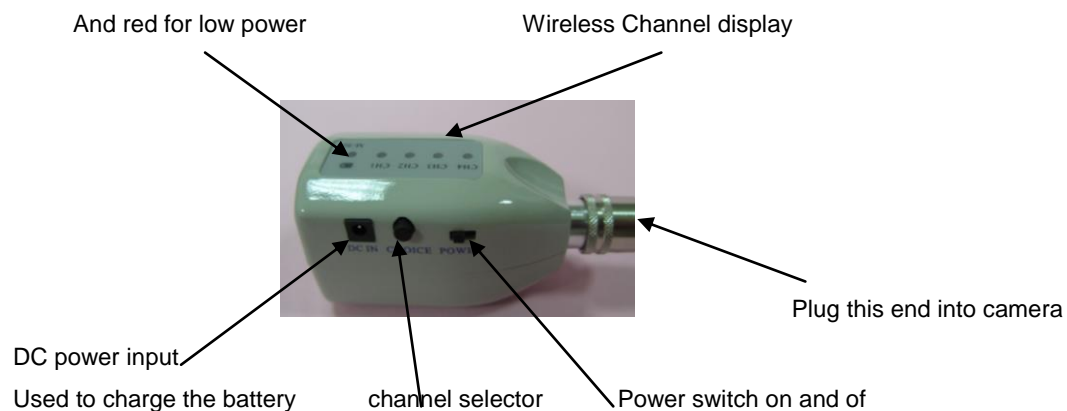
2.2 Transmitter TD-90

The transmitter has a power indicator that will show low medium and high power. The transmitter also has a channel selector that will select from channels 1 to 4. The power switch is located on the right side of the unit if looking from the front as shown.

power indicator shows green

for high power

And red for low power

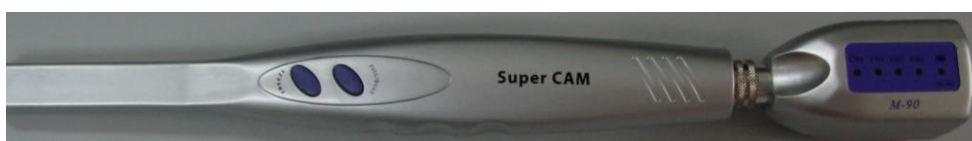


As to the transmitter battery, we use lithium battery instead, the lithium battery contains light weight,

it has great capacity and it is easy to take, a piece of battery can be used about 40 minutes, for charge time, we suggest that customers need to spend 6 hours to charge up the battery at the first time, when the indicator light becomes green that means the working is finished, if the indicator light becomes yellow that means users need to charge up the battery.

when connecting the receiver and docking station, adjust the channel of receiver according to the transmitter, keep their channel the same frequency, for example, channel one according channel one

Operation sketch map



Check the end of the camera will be found
The quick disconnect



check the end of the transmitter will
be found quick plug.



Connect the quick disconnect and quick plug,
Let them join together close

Notice: When users need to remove the transmitter, please pull the annulations of transmitter first, otherwise, the transmitter can't be removed from the connection.

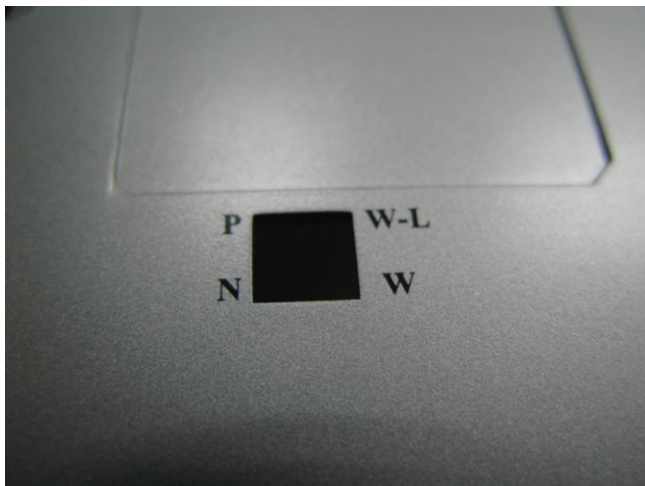
2.3 Docking station

(1) Front.



The connection with intra oral camera

(2) Back



1. the above is the PAL function
2. the bottom is the NTSC function

(3) Rear



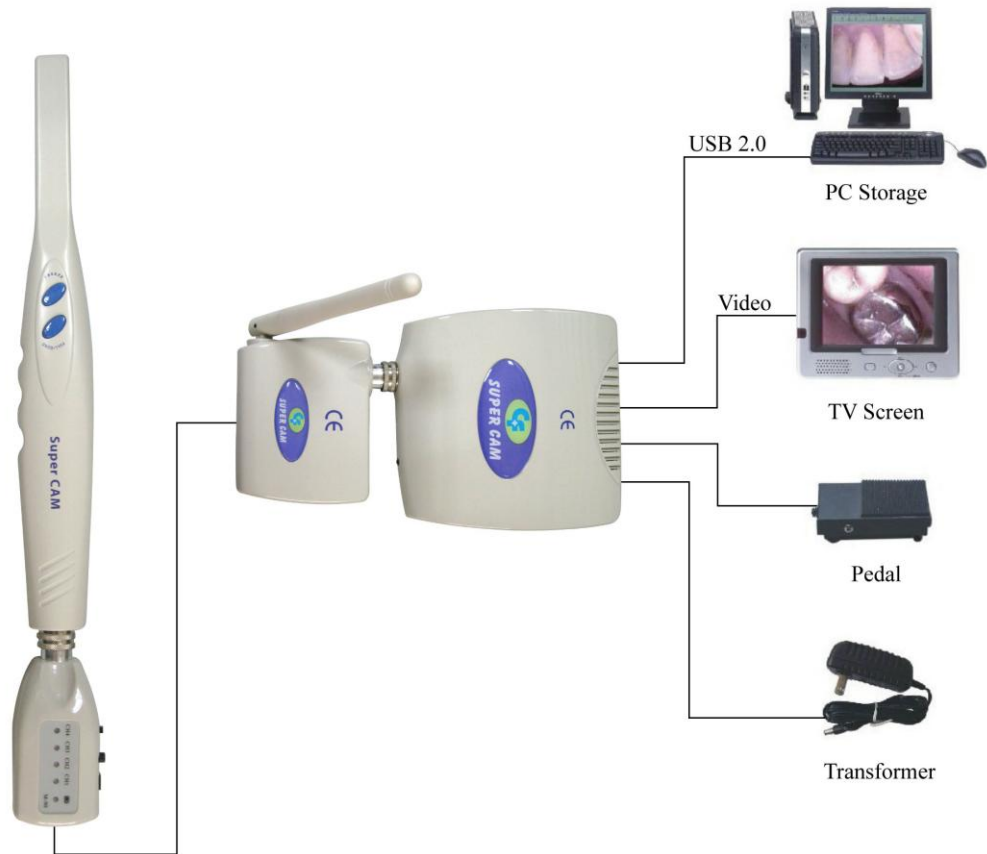
From left to right:

1. power switch
2. power input
3. IR output
4. pedal socket
5. USB output
6. Video output
7. VGA output

(4)Wired operation sketch map.



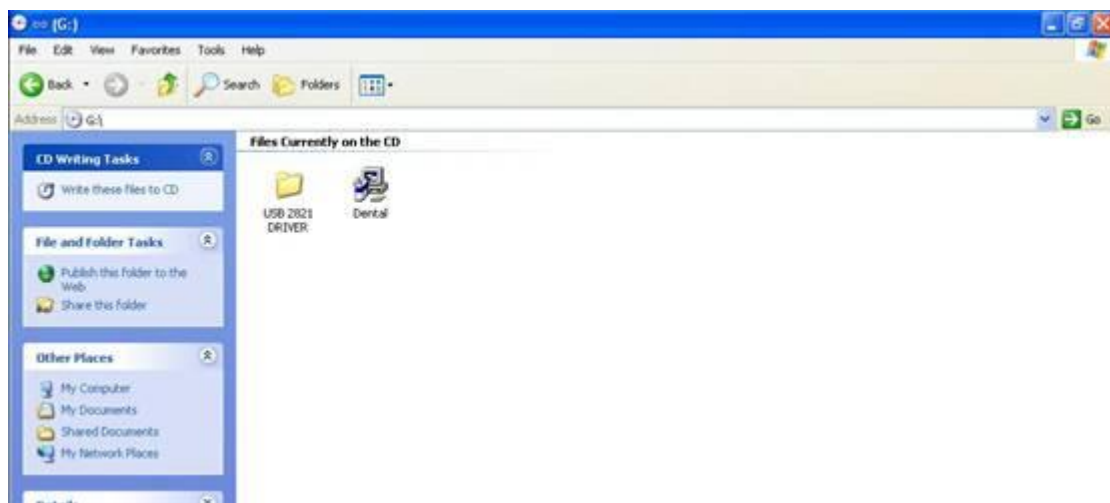
(5) Wireless operation sketch map.



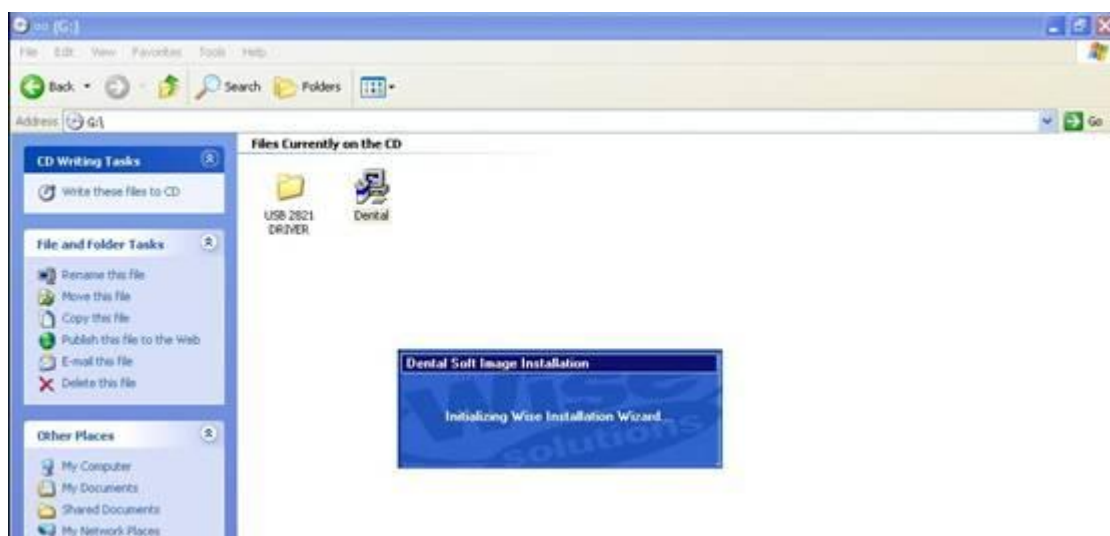
3.Manage Software Setup

A . Insert the disk. Setup should start automatically. If it doesn't, click **Start, Run**, and then enter **d:\setup\setup** at the command line (if your CD drive is a letter other than "d", use that letter instead)

Please click "Dental".

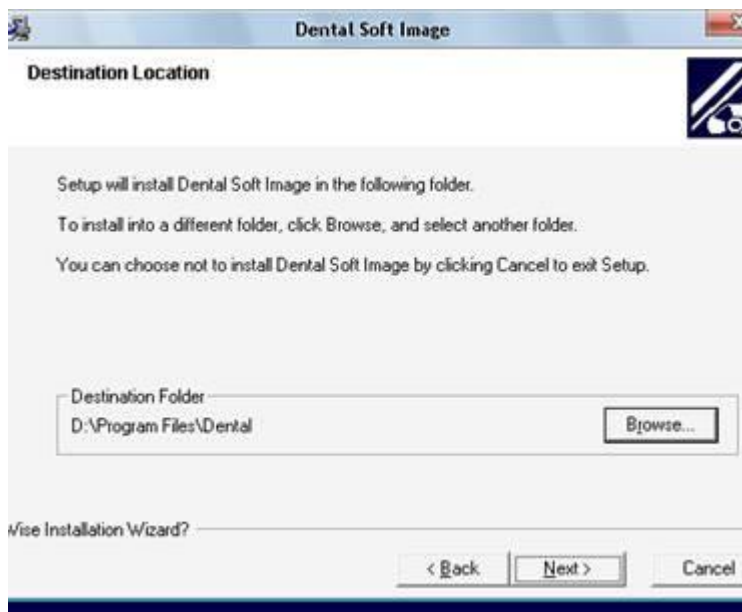


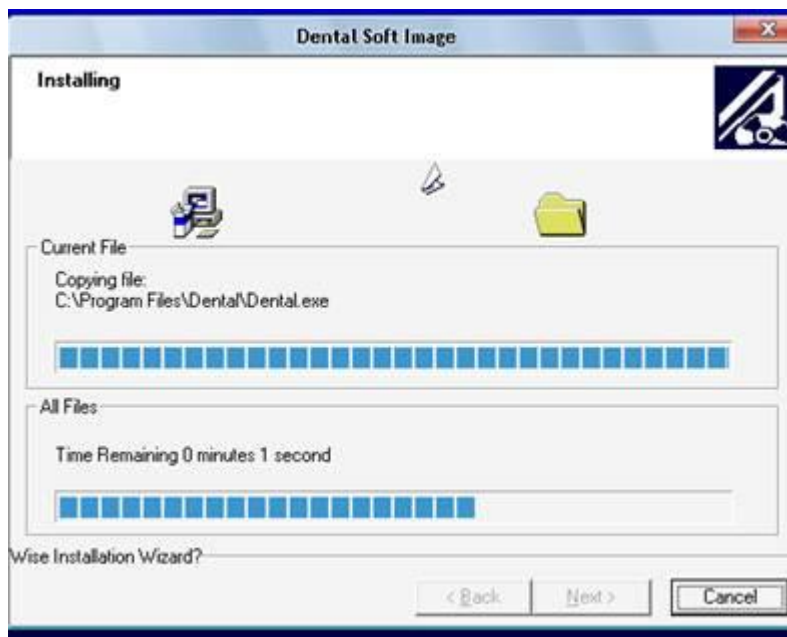
Then wait a while



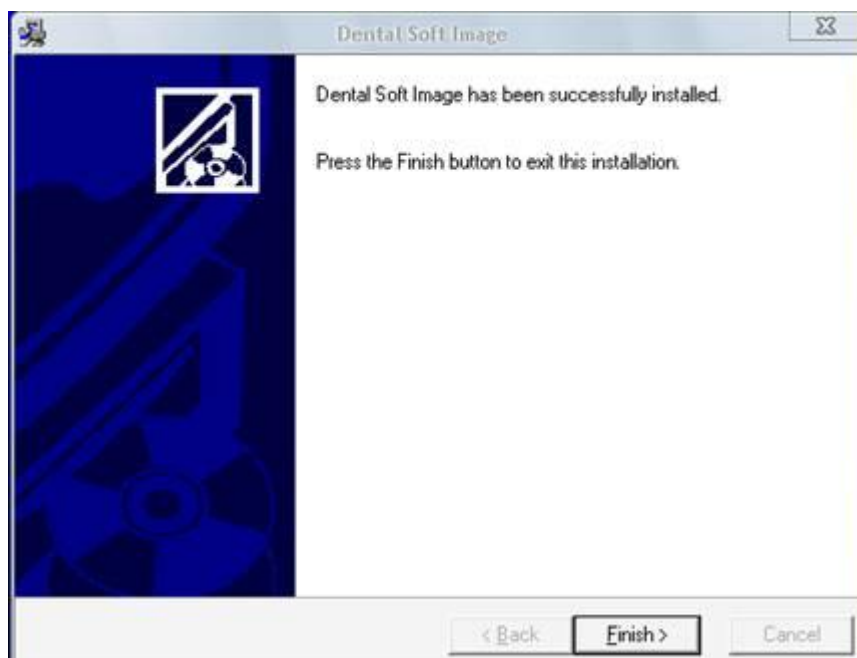


Click **Next**.





When the new video series is installed, click
Finish



4.USB 2.0 device setup

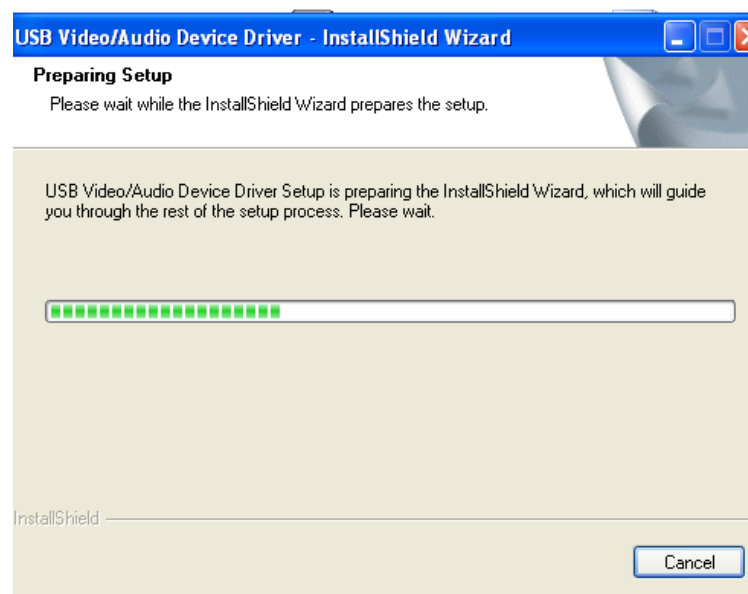
PLEASE NOTE: When you connect the Super camera to your computer, Windows will automatically detect this new device.

Step 1

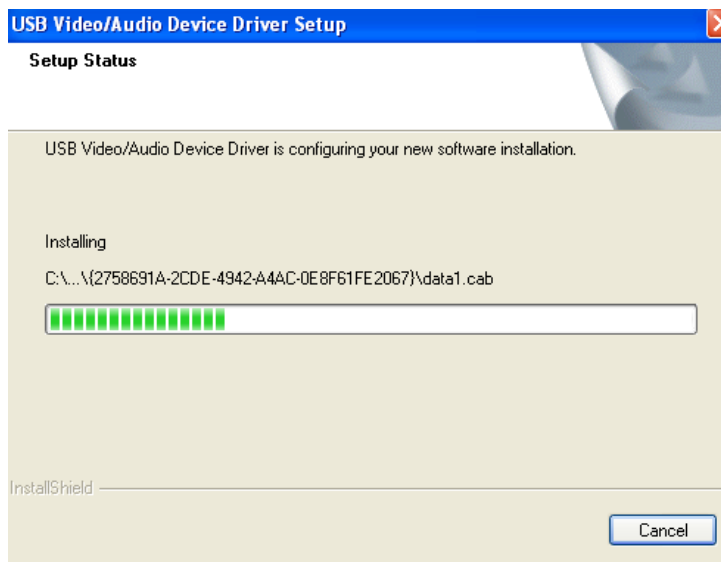
Back to the disk . double click file SP3 USB driver , then click as below:



Then wait a while



Click Next.



Then Click Finish





Remark: customers can choose YES or No either, there is no influence at all.

Step 2

Connect the Super camera to your computer.
When you do, you will receive a
momentary message saying that Windows
has detected new hardware



5. How to use application

After installation of Driver and USB device, please back to the desktop, click Dental Soft Image to begin the software



Double click Dental Soft Image . Select language



Click Enter, then double click Dental Soft Image again



Use your mouse to click the middle picture then enter into the login interface.

As below picture, please write down No, Name, Identity card and TEL of your patients.

The screenshot shows a window titled "login" with a pink background. It contains four input fields: "No." with the value "1", "Name" with "123", "Identity card" with "123", and "Tel." which is empty. Below the fields are six buttons: "Add", "Search", "Exit", "Edit", "Delete", and "Enter". At the bottom is a table with four columns: "No.", "Name", "Identity card", and "Tel.". The table has one row with empty cells, and a yellow shaded area below it.

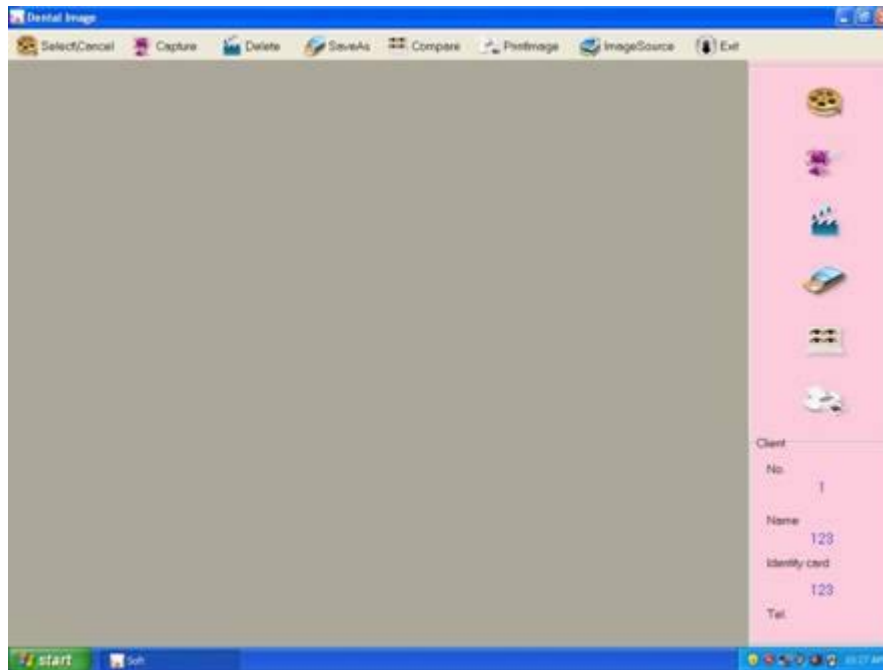
No.	Name	Identity card	Tel

Then click Add

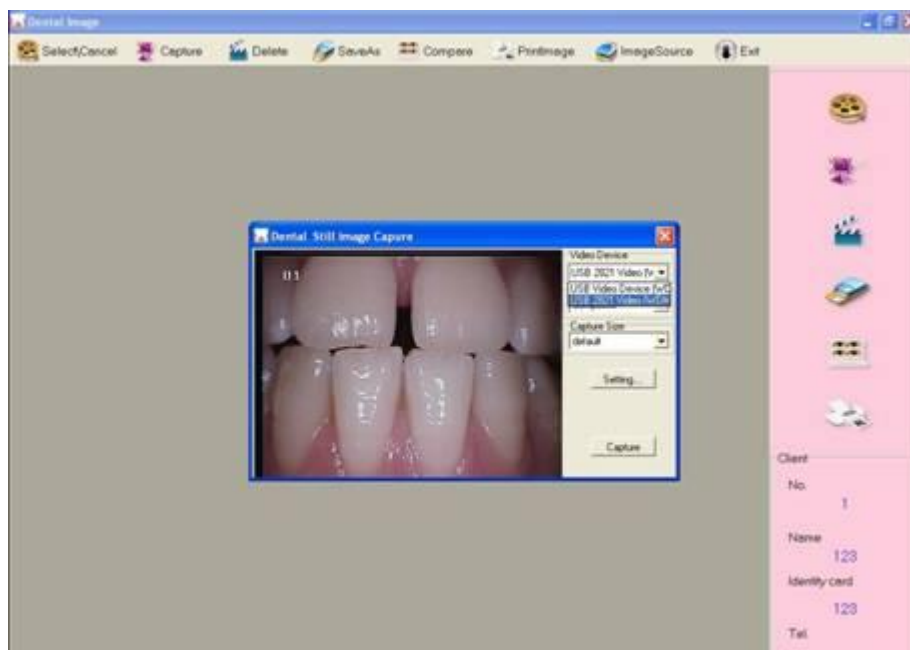
The screenshot shows the same "login" window after clicking the "Add" button. The input fields remain the same. The table now contains one row with the data: "1" in the "No." column, "123" in the "Name" column, "123" in the "Identity card" column, and an empty cell in the "Tel" column. The yellow shaded area below the table is still present.

No.	Name	Identity card	Tel
1	123	123	

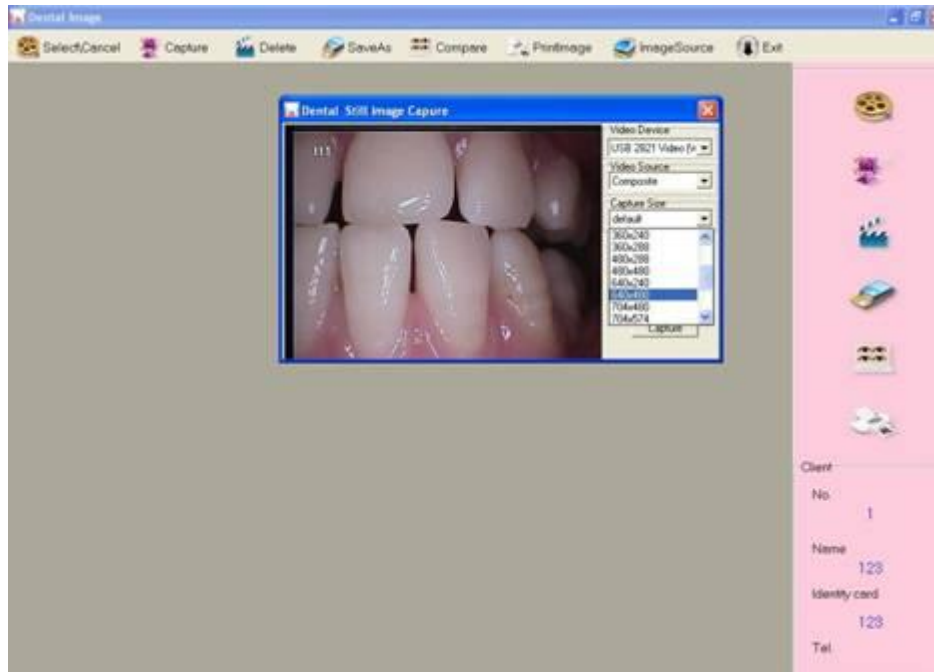
Click Enter in order to enter the Dental Software interface



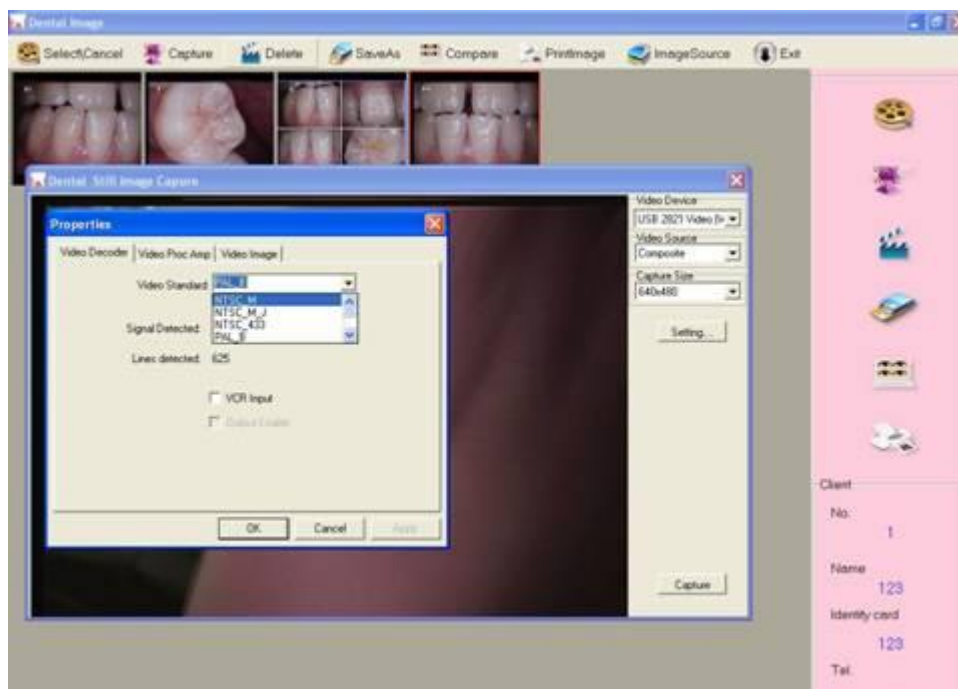
Click Capture to get the images you want.



For the Capture Size, we suggest you to choose 640*480, because it is a standard size for intra oral camera's image

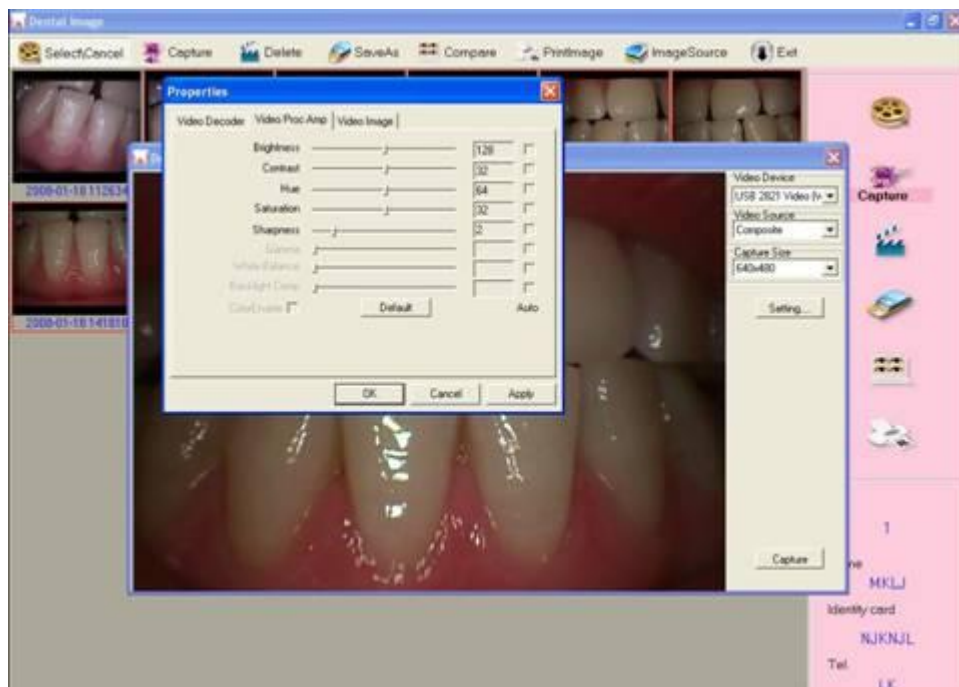


In the Dental Still Image Capture, you can choose Setting to edit the images.

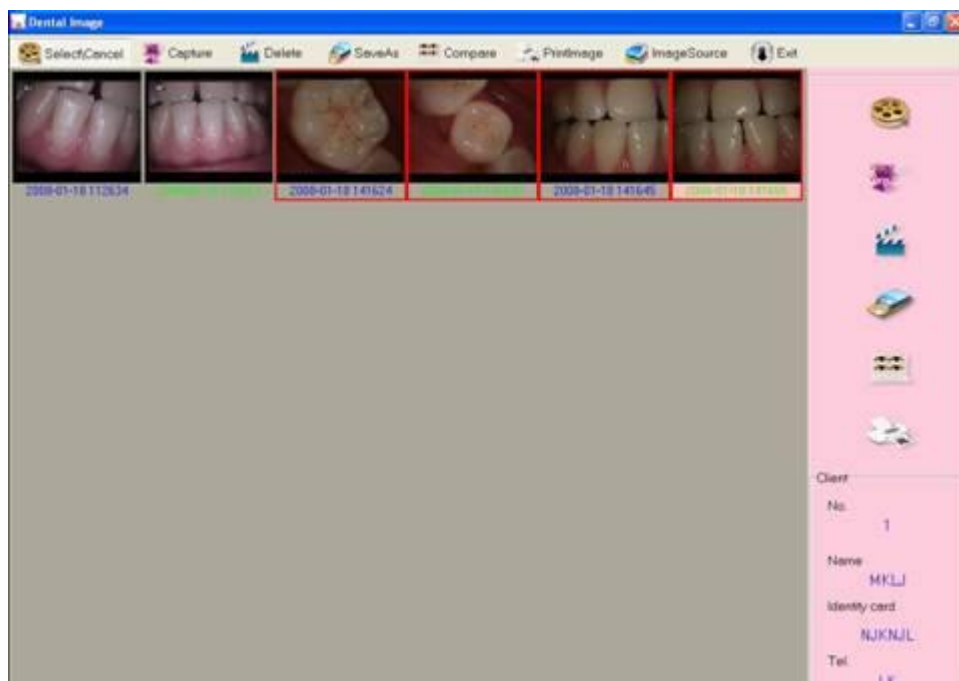


Please check your intra oral camera's video Standard, if it is PAL, please choose PAL_B to match .

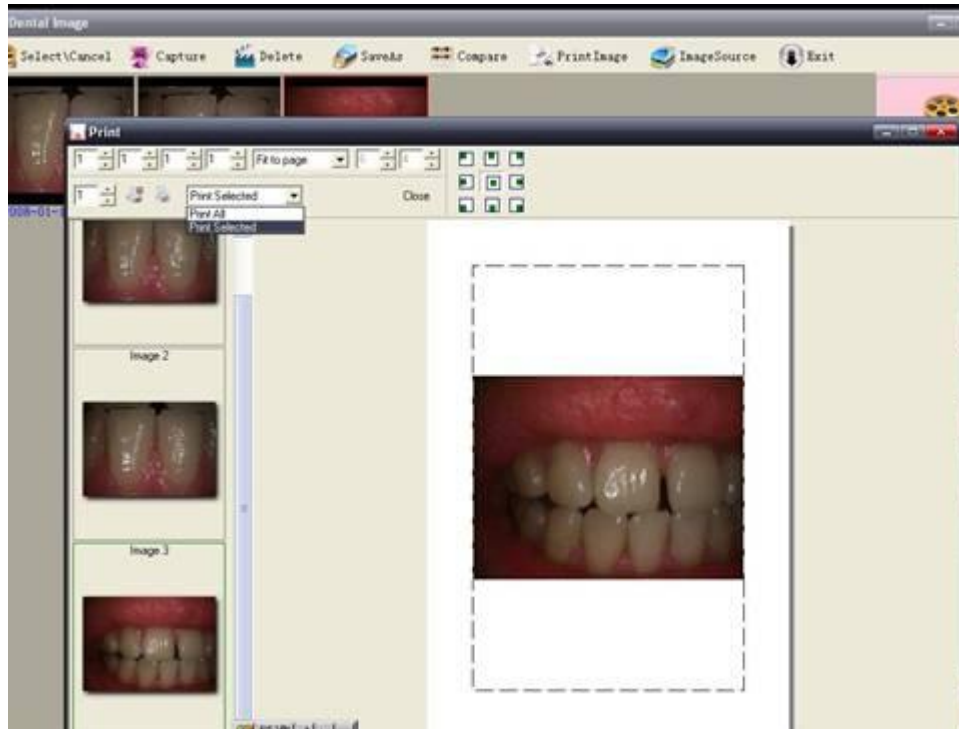
In the Video Proc Amp, you can update the brightness, contrast, hue and sharpness of images



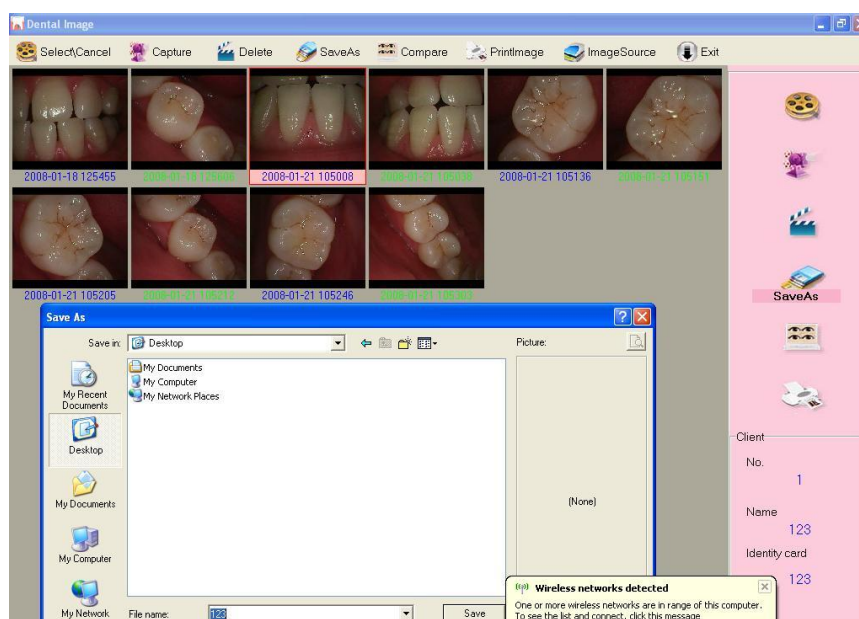
After Setting, please press **Freeze** of intra oral camera to capture the image, the images will be displayed on the interface of dental software.



Click Select/Cancel, you can edit any pictures on the screen, when the outline border becomes red, it means the images can be saved, compared printed and deleted.



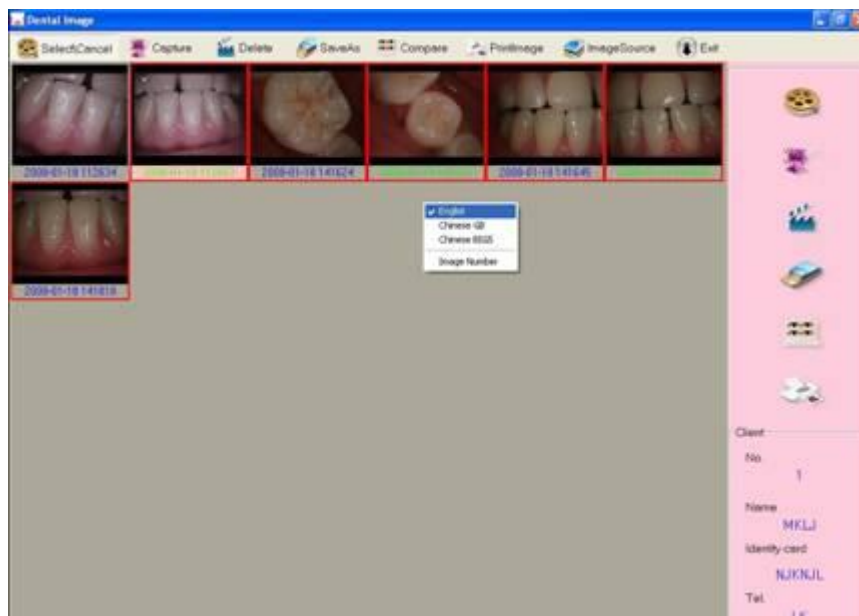
After selecting images, you can click “Save as” to save the images in any location of computer



If you want to compare some images, click “Compare” then the pictures as below



If you want to change the language of software, click right key of mouse as below



6. How to resolve trouble

If there are some troubles of products, Please see below special case firstly. If still can't be solved, please contact your local dealer.

Item	trouble states	resolve methods
1	the products can't be startup when open (ON/OFF)switch)	1.check the power socket if it is ok 2.check the cable if it is connected
2	computer or TV can't reveal images	1.check the connection between products and computer or TV if it is correct 2.check the Driver Setup if it is finished,
3	in the process of use, the image will be a little blurry	if you use it in the first time, it belongs to natural reaction. It will be better later on
4	freezing images then appears dithering	the hand shakes when uses camera to capture image, when users are skillful for use products, the phenomena can be changed
5	the images of computer or TV have spots	1.check the screen if it has spot 2.check the lens if it has spot 3.if the spot can't be cleaned, please contact the local dealer

7. Notice

Before each usage, check the outer surface of the products for any signs of physical damage or defect. The surface of the products should have a smooth finish, with no evidence of chipping or damage .

KNOWLEDGE OF WARNINGS AND CAUTIONS

Users must exercise every precaution to ensure personnel safety, and be familiar with the warnings and cautions presented throughout this manual and summarized below.

CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE THE COVER OF THE CONTROL MODULE OR POWER SUPPLY ADAPTER. THERE ARE NO USER-SERVICEABLE PARTS INSIDE. SERVICING SHOULD BE PERFORMED BY QUALIFIED DEALER SERVICE REPRESENTATIVES ONLY. CONNECTING ANY DEVICE TO THE SUPER CAMERA SYSTEM THAT DOES NOT MEET THE EQUIVALENT SAFETY REQUIREMENTS OF THE SYSTEM MAY REDUCE THE SAFETY EFFECTIVENESS OF THE SUPER CAMERA SYSTEM.

TURN OFF POWER AND UNPLUG THE SUPER CAMERA SYSTEM COMPONENTS BEFORE PERFORMING CLEANING PROCEDURES.

WARNING: TO PREVENT FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

DO NOT SPRAY CLEANING LIQUIDS OR DISINFECTANTS DIRECTLY ON THE CAMERA HANDPIECE OR CONTROL MODULE. USE CARE NOT TO ALLOW LIQUIDS TO RUN INTO INTERNAL CIRCUITRY.

DO NOT WIPE THE SURFACES USING BENZINE, THINNER, ETC. AS THIS MAY DEGRADE THE FINISH.