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

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. Freeze Button  2. Full/Quad Button  3. Quick Disconnect

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

DC power input  Wireless Channel display  Plug this end into camera
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:

![Image]

Then wait a while
Click Next.
Then Click Finish

![USB Video/Audio Device Driver Setup](image1)

Installslfr Wizard Complete
Setup has finished installing USB Video/Audio Device Driver on your computer.

![Restarting Windows](image2)

Setup has finished copying files to your computer. Before you can use the program, you must restart your computer.

Select one of the following options and click OK to finish setup.

- Yes, I want to restart my computer now.
- No, I will restart my computer later.

OK

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.

![Found New Hardware](image3)

USB Composite Device
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.

Then click Add
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.

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

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.

**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.