

CyberEYES

CyberEYES Dispensing Table Imager - Installation Instructions -



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Troubleshooting:

For any troubleshooting please contact CyberImaging Technical Services Department at 800-308-4755 ext 26.

1. Overview

The CyberEYES Imager is an in-store optical measuring system for optical dispensers. It takes a high quality digital image of a patient's face and delivers a series of precise fitting measurements. These measurements are used for the fitting of eyeglass lenses which allows the person imaged to "virtually" try on frames, tinted lenses (with or without anti-reflective coating) and contact lenses.

This system includes two major components: a desktop PC and a custom developed imaging system, the CyberEYES Imager. The Imager consists of a digital camera and a sonar system that ensure precise measurements.

CyberEYES Digital Imaging System

Please note that the desk/table is supplied by the client and will vary in dimensions.

Imager



PC/Monitor



Tools Required

Note: All tools are U.S. standard sizes.

- Set of standard Hex keys (7/32 [included – leave with customer])
- Adjustable Wrench
- Long nose pliers
- Wire cutters
- Utility knife
- Tape measure
- Drill
- 2" Drill bit
- 3/8" Drill Bit
- Screw Drivers
- Small Hand Saw

Note – Finish items such as grommets and cable managers will be shipped with the system.

Shipping Cartons Contents

Each Imager System contains the following:

Carton 1: CyberEYES Imager Box

- DTI [Dispensing Table Imager]
- Arm w/ 6" inch extension
- Cables: Fire Wire, Serial and Cable Clip for stabilizing wires
- Monitor with a keyboard, mouse, and power cable

Carton 2: PC

2. Preparation for Installation

Prior to the installation

- Purchase order information will be handled by the CyberEYES Client Services Manager.
- Greet the key contact by explaining that you are an Independent Technician working on behalf of CyberEYES, Inc. to install the Imager System.

Client Confirmation

Prior to the scheduled installation date, it is the Technician's responsibility to speak with the primary contact at the client's office and confirm the following:

- Confirm the date and time that the technician will be arriving to perform the install.
- Confirm that all the equipment has arrived and will be accessible for the install.
- Confirm that a member of the staff will be available for imaging when the technician is finished installing the imager.

- Email confirmation to Client Services Manager at shurst@cyber-imaging.com prior to installation.

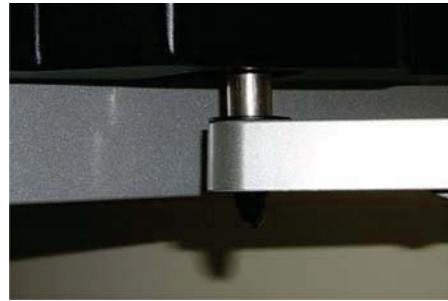
As a courtesy to our clients, please use your cell phone for all communications while on site. If you have a problem with your cell phone reception, please ask to use a cordless site phone and please limit the duration of your calls.

Note: If an Internet connection is not available, the installation can still be successfully completed. If one of these situations occurs, please be sure to notify Client Services, but do not spend any time troubleshooting connectivity problems.

3. Assembly of the CyberEYES System

DTI Setup (Refer to System Configuration Sheet for Placement)

- Please refer to "Radial Arm Instruction Book" enclosed in box along with arm
- Once arm is assembled unpack imager and place on arm (see figures below)
- **DO NOT USE RAZOR BLADE OR SHARP CUTTING TOOL TO SLIT IMAGER BOX.**
- Make sure that all pieces of the radial arm are assembled including the extension pole.



- Once Imager is mounted the on arm, secure with supplied washer and knob (see figure below)
- Hold radial arm in a horizontal position before making the next adjustments
- Use the 7/32 allen wrench and insert into top of end cap.
- Adjust the arm tension either by tightening to the right or by loosening to the left so that the arm stays in any given position
- Use the 5/64 allen wrench to tighten upper radial arm so that there is no DTI movement side to side

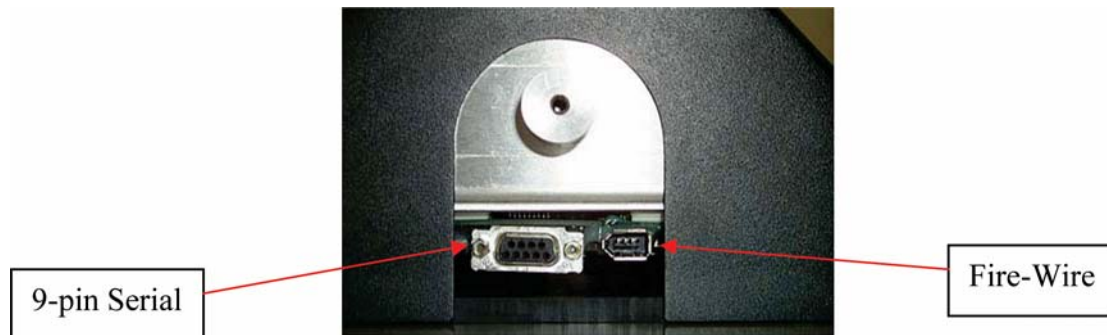
Note: Holes may have to be drilled in the desk top to accommodate cords/and or the bracket for the DTI. If so, please use enclosed grommets for a finished look.
Please make sure that you refer to the System Configuration Sheet before drilling holes for the DTI.



Computer Set Up (Refer to System Configuration Sheet for Placement)

All peripheral drivers are installed and the application is configured prior to shipment.

- A. Unpack the CPU and place it in the desired location.
- B. Unpack the monitor, place in the desired location.
- C. Connect the monitor, keyboard and mouse to the CPU.
- D. Connect the Fire-wire cable to any of the Fire-wire ports on the CPU. Secure the Fire-wire cable to the round metal connector located on the back of the CPU, (center, top rear)
- E. Connect the 9-pin serial cable to the 9-pin port (com 1) on the CPU.
- F. Connect the system to the Internet using the network cable to the Ethernet connector on the CPU.
- G. Connect 9-pin serial and fire-wire cables to the Imager (see figure below that depicts the underside of the DTI)



- H. Connect the CPU and monitor to the surge protector and plug into a power outlet.
- I. Power on the CPU and monitor.
- J. Set Radial arm to its highest position and make sure that there is enough cord before you take up the slack and tack to the desk.

4. Testing the CyberEYES Imager and Application

Powering PC

- When the CPU is turned on, Microsoft Windows should boot automatically.

Sound Settings

- Double-click the Sound icon on the Task Bar (lower right hand corner).
- Ensure that the volume settings are at the appropriate level for the location.

Network Setup

Imager Server

- SHARE FOLDER ON IMAGER 'SERVER'. Open EXPLORER (Double Click MY COMPUTER). Find the CYBERIMAGING, INC\CYBEREYES folder. RIGHT CLICK on CYBEREYES (Folder) and select SHARING and click SHARE THIS FOLDER.

Imager Workstation

- Use the supplied CD and install the software on any computers to be networked that were already set up in the office (existing computers). Confirm that the office has licensed the correct number of workstations.
- MAP DRIVE ON WORKSTATION. DOUBLE CLICK on MY COMPUTER. Click TOOLS, MAP NETWORK DRIVE. Choose drive P: and BROWSE on the NETWORK for drive CYBEREYES on the Imager Server.
- PREFERENCES. On the CyberEYES workstation, select the P:\CyberEYES\Patient Session as the saved folder.
- Set Preferences to "Workstation."

Saving Patient Sessions to Server

- If the client has multiple locations and wishes to save the patient sessions to the server to be able to access from any location, create folder with read/write privileges on the server.

Imager Calibration

Bring up CyberEYES program.

Click "New Session"

Position someone comfortable in front of the DTI.

Hit "C" on the keyboard.

Calibrate exposure and color correction with lights off and with lights on.

Click "Save."

Click "Done."

End CyberEYES session.

Saved Session Test

Bring up CyberEYES program.

Click "New Session."

Position someone comfortable in front of the DTI.

Click "Lights On."

Click "Capture Image."

Click "Patient Order Worksheet"

Enter first and last name.

Click "Save Patient Data."

Click "Return."

Click "Done."

Click "Yes."
Click "Return Patient."
Click on saved file (name).
Click "Continue."

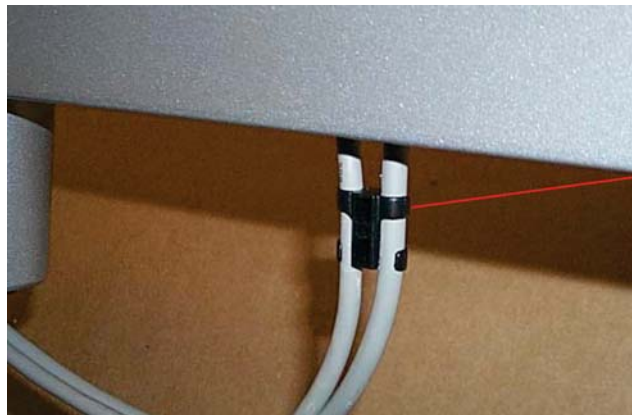
Make sure that the return patient information comes up on every workstation even if we did not install the computer.

5. Final Installation Steps

Cable Management

It is critical that the CyberEYES Imager System is installed in a manner that presents a clean and professional appearance. Be sure to route patch cables so that they are hidden from client's view when possible. Any excess length of cable that cannot be hidden from client's view should be neatly coiled and tie-wrapped. Visible cables should be neatly tie-wrapped together when possible. Clip excess cable tie material.

Ensure that one of the supplied cable clips is placed in this position on the imager. It will prevent the firewire cable from coming out and disconnecting the camera.



Print Function Test

Check to make sure that print function works at both the main computer and all workstations.

Clean Mirror

Ensure the mirror is very clean. Use only a mild glass cleaner such as Windex. Do not use alcohol.

Clean Work Area

Ask the Key Contact if he/she would like to keep the remaining packing boxes (recommended) or have you dispose of them. Remove cartons and packing material, if requested.

Please be certain to leave the work area in perfectly clean condition.

6. Final Instructions

Start-up procedures

Before leaving the site, the Independent Technician is required to demonstrate to at least one staff member, preferably the Key Contact, how to properly start up and shut down the system. Additionally, the staff member should be shown how to launch the application by double clicking on the CyberEYES icon from the desktop screen. Have the Staff member seat someone in front of the DTI. Click New Session. Click lights on and then Click Capture Image. Make sure that DTI is capturing images with no error messages occurring.

The CyberEYES Client Services Manager will follow up with customer training.

The Independent Technician is to take a picture of the final installation setup and e-mail it to shurst@cyber-imaging.com