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Horus Scope for CLINiC™ User Guide

For use with:

CLINiC-P-2X-A01

CLINiC-P-12X-A01

CLINiC-C-8X-A01

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Introduction

This user guide covers basic Horus Scope operation instructions, as well as installation steps of a Horus Scope cradle assembly. The cradle assembly allows convenient and safe positioning of the Horus Scope on a CLINiC.

The instructions described in this guide apply to the following CLINiC models: part numbers CLINiC-P-2X-A01, CLINiC-P-12X-A01 and CLINiC-C-8X-A01.

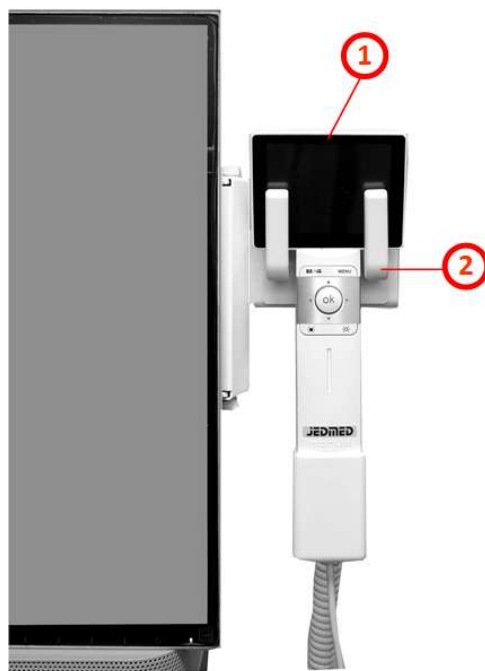


Figure 1. CLINiC with Horus Scope (1) and cradle assembly (2)

You can find additional CLINiC resources and information about support and other related telehealth services at www.ironbowhealthcare.com.

Installing the Horus Scope Cradle

The components of the Horus Scope cradle assembly are shown in the following figure.

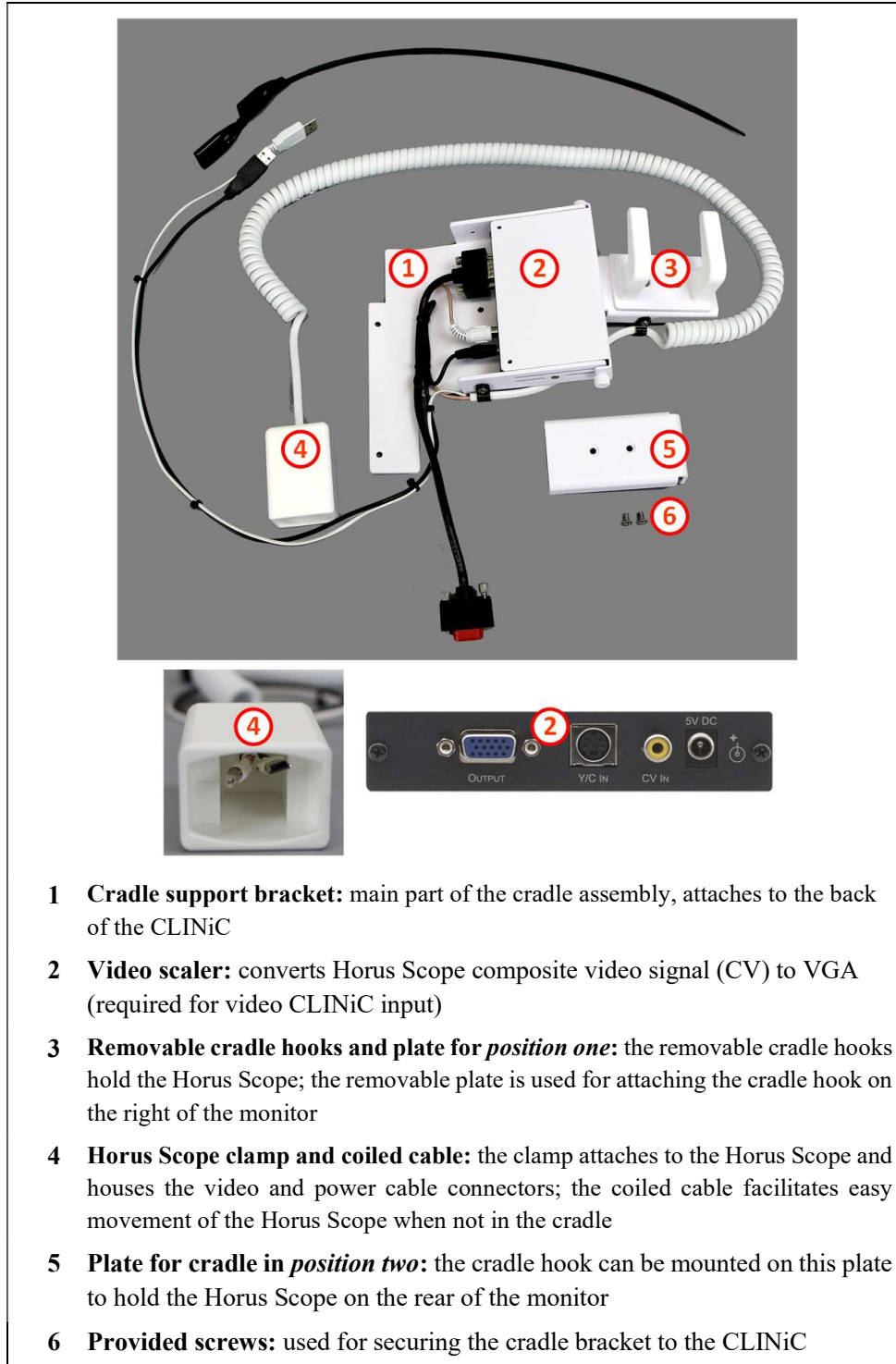


Figure 2. Horus Scope cradle attachment parts

The cables and tools needed for connecting the Horus Scope to the CLINiC through the video scaler and cradle assembly are shown in the following figure.

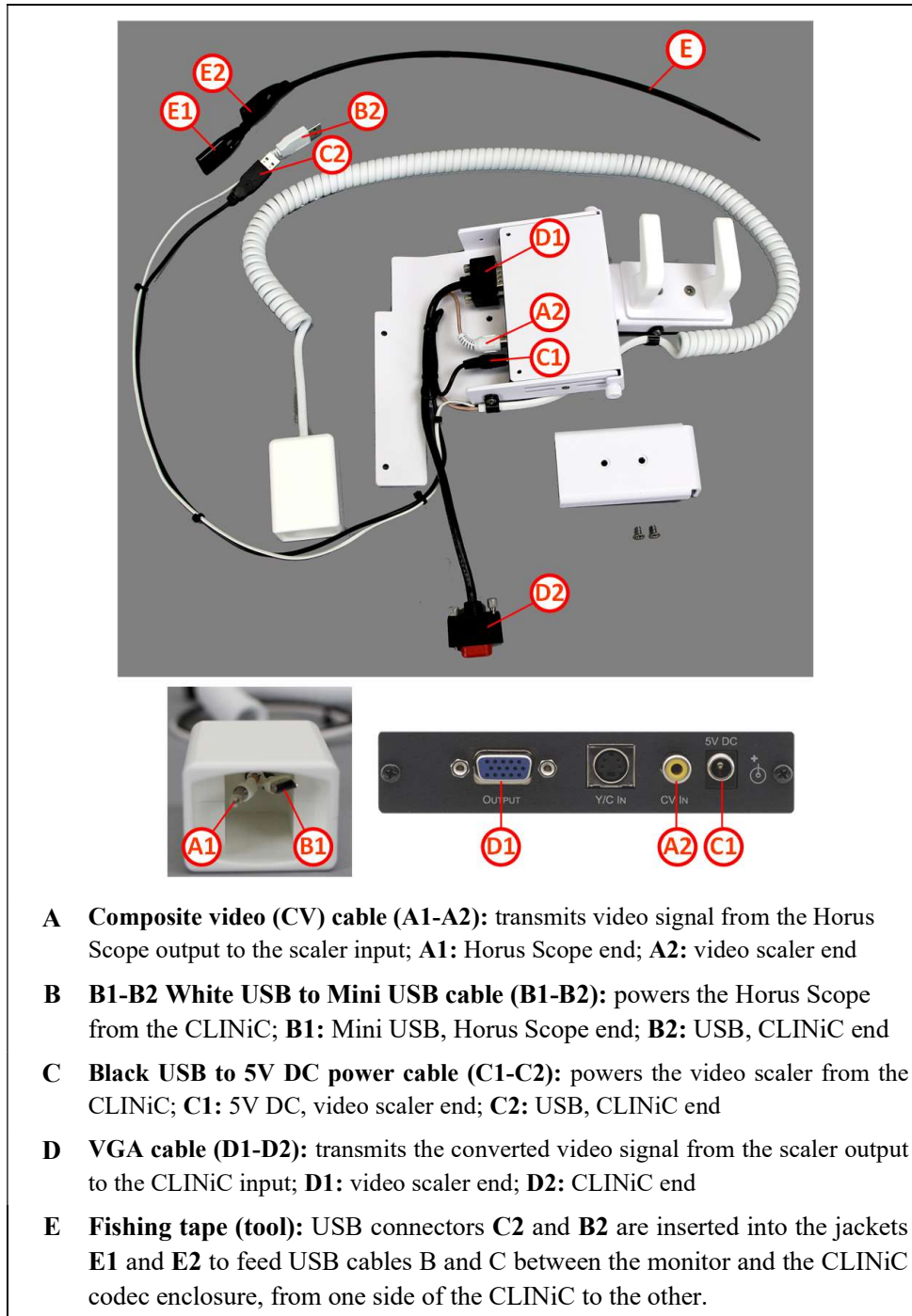


Figure 3. Horus Scope cables and cabling tools

The logical connection diagram between the Horus Scope and the CLINiC through the video scaler is shown below.

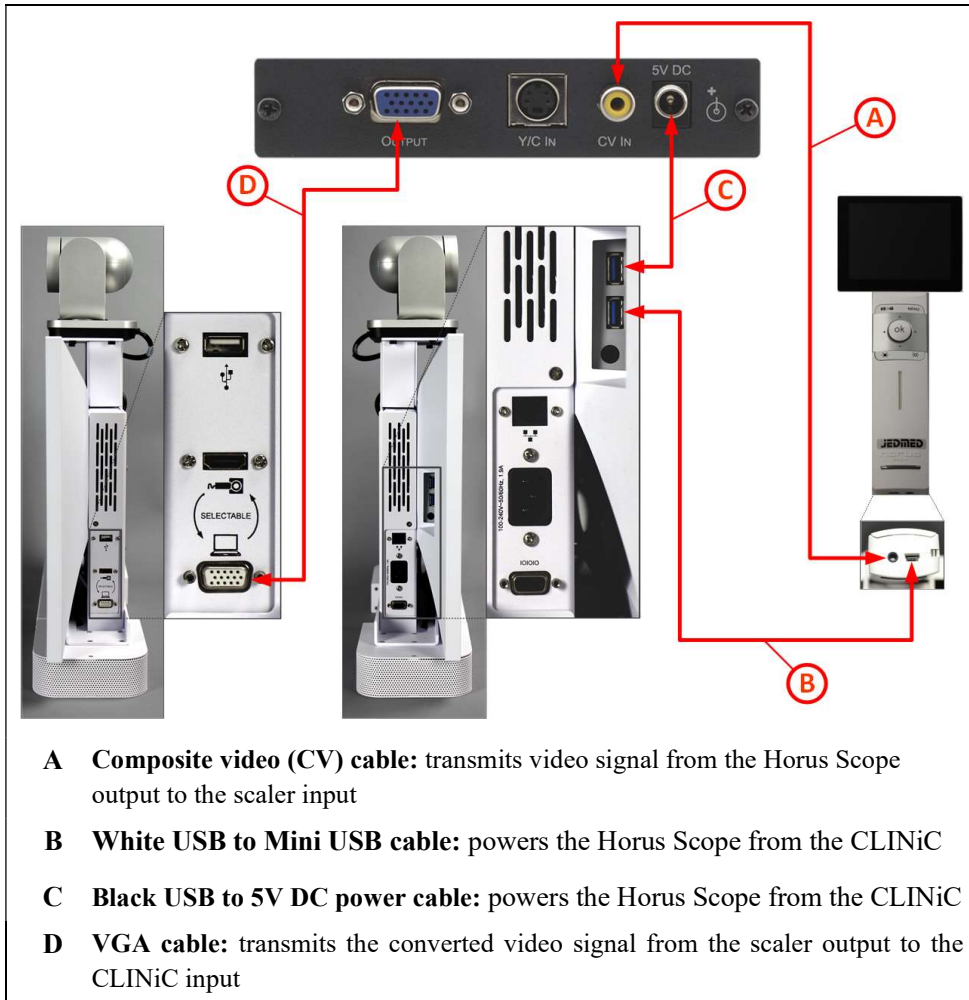


Figure 4. Horus Scope – CLINiC connectivity diagram

Preliminary Steps

Prior to installing the Horus Scope cradle onto the CLINiC, the CLINiC should be fully assembled, as shown below (the camera should be already mounted on the CLINiC).

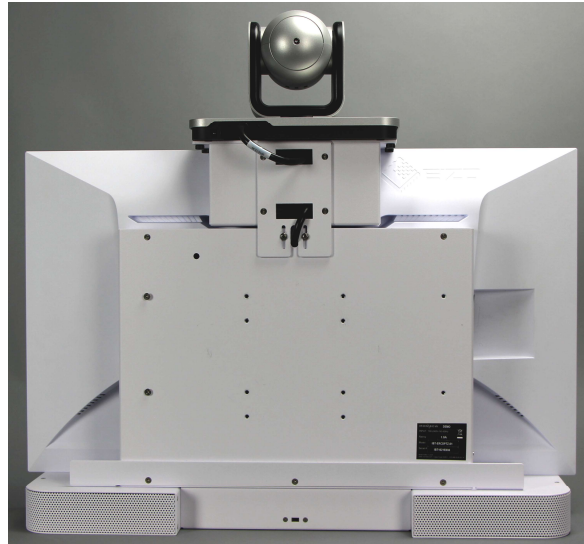


Figure 5. Fully assembled CLINiC 12x (rear view)

In addition, prior to attaching the clamp and coiled cable to the Horus Scope, make sure the Horus Scope has a working battery. To insert or replace a battery, see the instructions below.

Note: If the Horus Scope and the cradle were purchased together, the battery will be preinstalled in the Horus Scope. If that is the case, skip to the cradle assembly instructions.

To install the Horus Scope battery:

1. Open the battery cover by inserting your finger or a pointed tool in the gap at the bottom of the battery cover. Remove the battery cover by lifting it up.
2. Insert the battery with the positive end facing up.



Installing Cradle in Position One/Side-Mounted

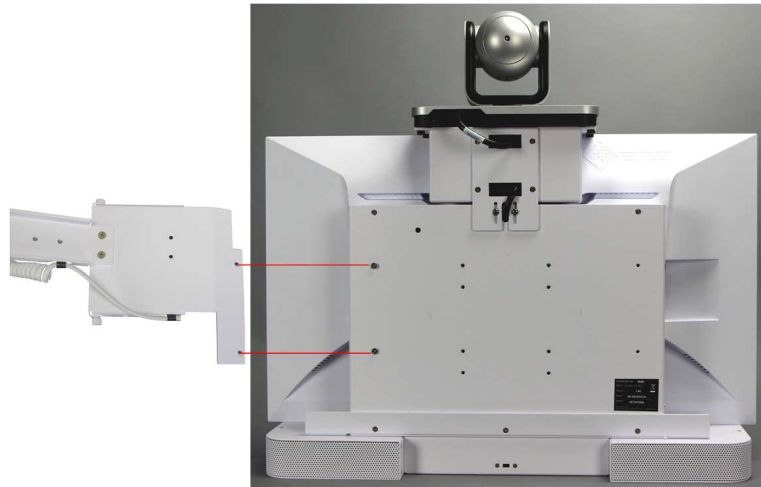
The cradle can be mounted in two positions relative to the CLINiC. *Position one* provides easy access on the right side of the CLINiC, which may be ideal for frequent use.

Position two provides access on the back of the CLINiC, which increases mobility for use in small spaces.

Note: A #2 Phillips head screwdriver will be required for the installation.

To install the cradle in position one:

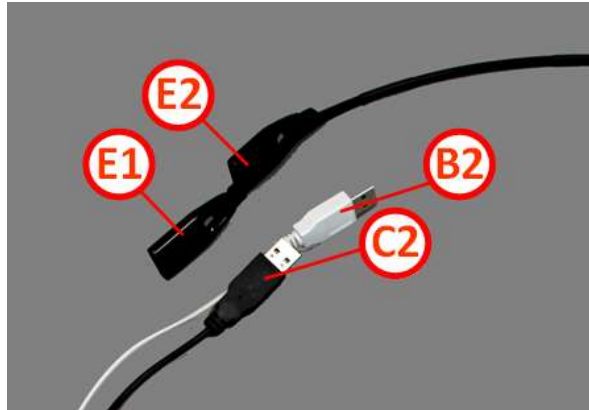
1. Align vertically the bracket of the cradle assembly with the holes on the back of the CLINiC, as shown below. Use the provided two screws to firmly secure the cradle bracket to the CLINiC.



2. Connect the video scaler VGA cable to the CLINiC VGA port (refer to Figure 4 for the logical connectivity diagram).



3. Insert the **B2** and **C2** USB connectors of the white and black USB cables into the **E1** and **E2** jackets of the fishing tape.

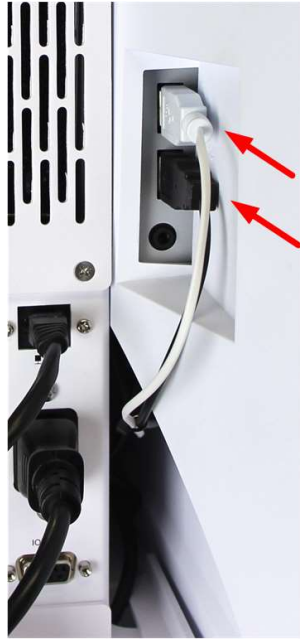


The B2 and C2 USB connectors must be fed through to the CLINiC USB ports using the fishing tape (refer to Figure 4 for the logical connectivity diagram).

4. Feed the B2 and C2 ends of the white and black USB cables through the space between the monitor and the CLINiC codec enclosure, from the side of the CLINiC where the cradle assembly is mounted (1), all the way to the other side of the CLINiC where the USB ports are located (2).

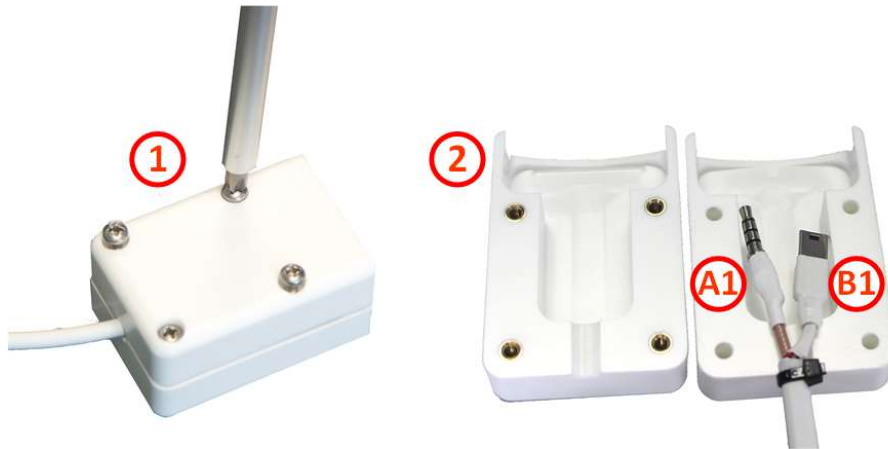


5. Once the B2 and C2 ends of the white and black USB cables have been pulled to the other side and can reach the CLINiC USB ports, remove the B2 and C2 connectors from the fishing tape and connect them to the CLINiC USB ports.



If the Horus Scope and the cradle assembly were purchased together, the Horus Scope will come pre-installed in the clamp. If this is the case, skip to step 9. Otherwise, proceed to step 6 below.

6. Remove the screws from the Horus Scope clamp (1) to expose the video and power cable connectors (2): composite video (A1) and Mini USB (B1)



7. Place the Horus Scope in the bottom half of the clamp (the half that has metal screw holes), as shown. Insert the composite video and Mini USB connector into the corresponding ports at the bottom of the Horus Scope.



8. Secure the top side of the Horus Scope clamp and fasten the four screws.



9. Place the Horus Scope in the cradle, as shown.



Installing Cradle in Position Two/Rear-Mounted (from Position One/Side-Mounted)

The instructions below describe how to change the cradle from position one (side-mounted) to position two (rear-mounted).

Note: A #2 Phillips head screwdriver will be required for the installation.

To install the cradle in position two (from position one):

1. Remove the screws attaching the cradle hooks to the position one plate.



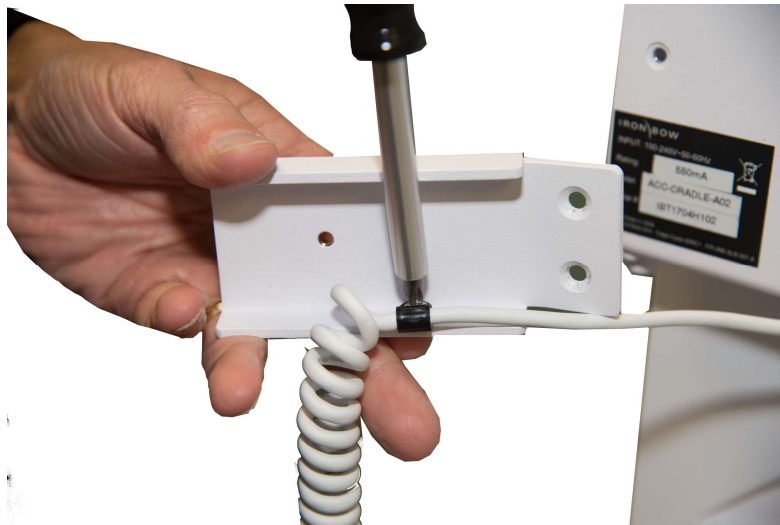
You will reuse the cradle hooks and screws later in this procedure when you will attach the hooks to the position two plate.

2. Remove the two screws attaching the position one plate to the cradle support bracket.



You will use the same screws to attach the position two plate to the cradle support bracket later in this procedure.

3. Remove the strain relief clamp holding the coiled cable to the position one plate.

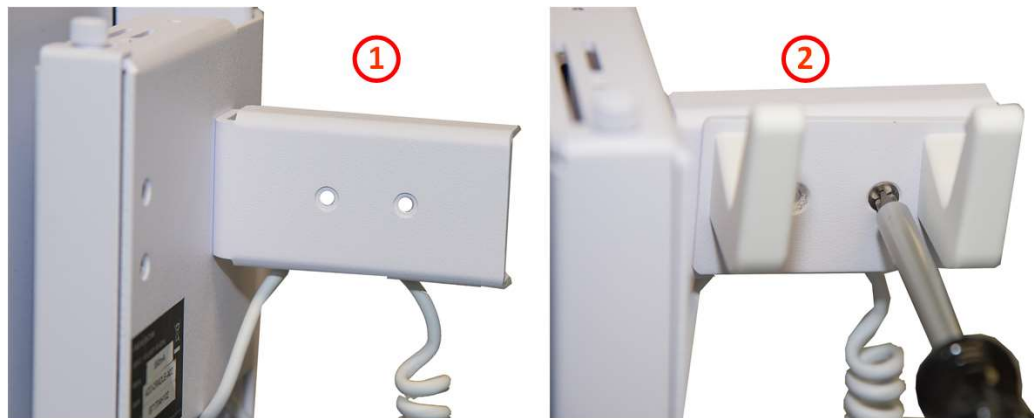


4. Fasten the strain relief clamp to hold the coiled cable to the position two plate.

5. Place the position two plate on the back of the cradle support bracket and secure with the same two screws that were used to secure the position one plate.



6. Fasten the cradle hooks onto the position two plate.



7. Place the Horus Scope into the cradle on the back of the CLINiC.

Installing Cradle in Position One/Side-Mounted (from Position Two/Rear-Mounted)

The instructions below describe how to change the cradle mounting position from rear-mounted to side-mounted.

Note: A #2 Phillips head screwdriver will be required for the installation.

To install the cradle in position one (from position two):

1. Remove the screws attaching the cradle hooks to the position two plate.

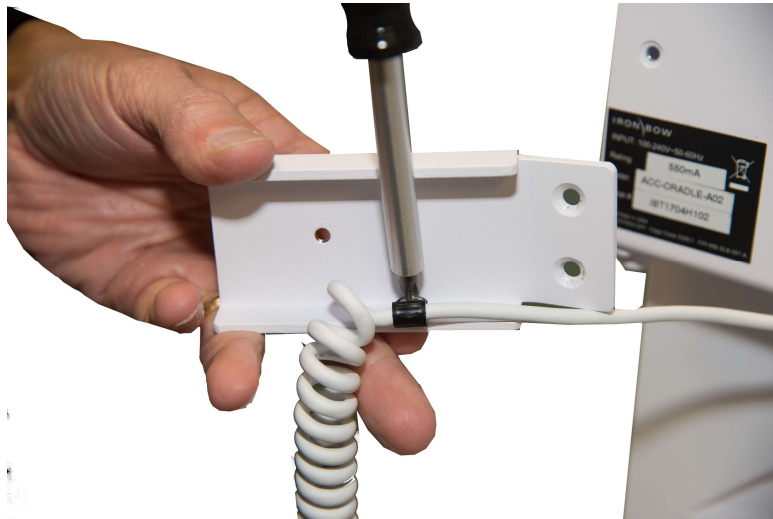


2. Remove the two screws attaching the position two plate to the cradle support bracket.



3. Remove the strain relief clamp holding the coiled cable to the position two plate.

4. Fasten the strain relief clamp holding the coiled cable to the position one plate.



5. Place the position one plate on the back of the cradle support bracket and secure with the same two screws that were used to secure the position two plate.



6. Fasten the cradle hooks onto the position one plate.



7. Place the Horus Scope into the cradle on the back of the CLINiC.

Operating the Horus Scope

The Horus Scope is used to capture and transmit images and video to a remote consulting clinician through the CLINiC. This section includes a summary of the Horus Scope functions and components, basic operation and troubleshooting tips.

Horus Scope Functions and Components

The Horus Scope functions and device components are listed below.

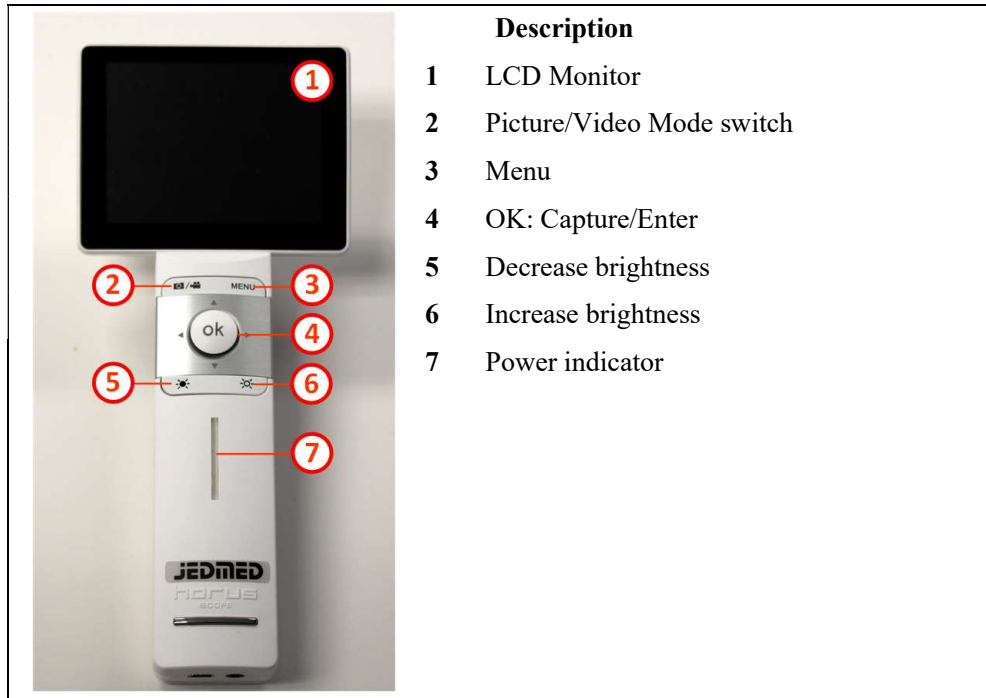


Figure 6. Horus Scope components (front view)

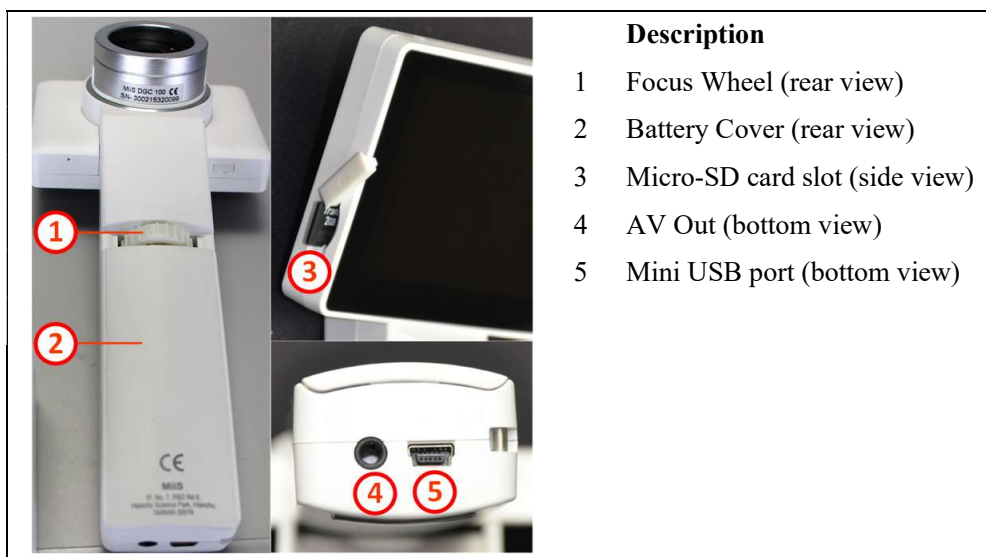


Figure 7. Horus scope components (rear, side and bottom views)

Basic Horus Scope Operations

To power on the Horus Scope:

- Press and hold the power button at the top of the unit for two seconds. The Horus Scope will start up. Start-up takes about 20 seconds.



Once the start-up procedure is complete the Horus Scope screen will display the live video feed captured by the lens currently attached to the unit.

To switch between live video and image capture:

1. Press the **OK** button on the unit to capture images.



2. Press the /  button to return to live view.

Changing Horus Scope Lens Attachments

To remove optical lens attachment from the Horus Scope:

1. Hold the camera in one hand and rotate optical lens counter-clockwise with the other hand until the lens detaches.
2. Gently pull to detach lens.







To add optical lens attachment to the Horus Scope:

1. Hold the camera in one hand and the lens in the other hand
2. Align the ● marks on the optical lens and the camera body
3. Push the lens and the camera together
4. Rotate optical lens clockwise until secure

For more details regarding the Horus Scope features, menu options, operation and care instructions please consult the *JEDMED Horus Scope User's Manual*.

For additional information regarding the Horus Scope operation with the CLINiC, please refer to the CLINiC User Guide.

Troubleshooting Tips

 <p>Connected Peripheral Device button on the CLINiC control panel</p>	<ul style="list-style-type: none">• Press  on the CLINiC control panel to display the Horus Scope video on the CLINiC. <p>Note: The  button becomes active and can be used after the Horus Scope is powered-up and properly connected to the CLINiC.</p>
 <p>Connected PC button on the CLINiC control panel</p>	<ul style="list-style-type: none">• If you see a blue screen instead of an image from the Horus scope, the video scaler is not receiving video from the Horus Scope. Ensure the Horus Scope is powered on, and that the video cable inside the clamp is properly seated in A/V output of the HORUS handle.• If you see a JEDMED logo instead of the expected image, ensure that the lens is properly attached to the Horus Scope handle. Consult the User Guide included with the Horus Scope for detailed installation and operation instructions of the Horus Scope device.• If after pressing  you do not see video images from the Horus Scope but after pressing  you do, the video source button assignment must be reversed. See <i>Changing Video Source Button Assignment</i> in the CLINiC user guide.

Video Scaler Settings

The video scaler is configured to the optimized settings at the factory. The settings should not need to be changed. To confirm that the scaler is powered and still set optimally, remove the protective cover to reveal the front panel LEDs.

To remove the protective cover, remove the thumb screws at the top and bottom of the video scaler cover.



A properly configured video scaler will have the following lit LEDs:

- **CV** (green)
- **XGA** (red)

If the video scaler is improperly set you can change the setting as follows.

To change input settings:

- Press **Input Select** until **CV** is selected (the input select toggles between Y/C and CV)

To change output resolution settings:

- Press **Output Res.** to cycle through all available output resolutions options until **XGA** is selected

Use a pointed object, such as a pen, when pressing the **Input Select** and **Output Res.** buttons.

If there are no lit LEDs on the front of the video scaler, this indicates the video scaler is not receiving power. If that is the case, perform the following checks:

- Ensure that the CLINiC is powered on by looking at the system display.
- If the CLINiC is powered on, ensure that the black USB cable is properly seated in the CLINiC USB port.



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