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Introduction

The CLINiC family of products from Iron Bow Healthcare Solutions consists of purpose-built telehealth devices that enable the delivery of clinical healthcare from a distance.

This user guide covers the assembly and installation of the vCLINiC (part # CLINiC-VC-10XIR-A01). For Administration and Configuration of the Iron Bow vCLINiC, refer to VidyoRoom™ and VidyoPanorama™ 600 Administrator Guide.

The vCLINiC includes a hermetically sealed, high grade fanless computer running VidyoConnect VCC-100 software (version 3.3.24, or higher), a high definition pan/tilt camera with a10x optical/10x digital zoom, dual infrared illuminators for nighttime or darkened room operation and a 24” HD display. The vCLINiC camera, display and associated audio system enable high quality video and audio calls between two parties or more.

The vCLINiC incorporates a standard VESA mounting hole pattern for installation on common wall mount brackets, or on table top stands and mobile carts.

![Figure 1 - vCLINiC with Integrated Sound Bar](image)

You can find additional CLINiC resources, support information and other related telehealth services at [www.ironbowhealthcare.com](http://www.ironbowhealthcare.com).
System Description

The primary components of the Iron Bow vCLINiC are shown below:

Figure 2 - vCLINiC Major System Components

<table>
<thead>
<tr>
<th>1. System Camera</th>
<th>6. Audio Deflector</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Rear Camera Cable Cover</td>
<td>7. IR Receiver (Internal)</td>
</tr>
<tr>
<td>3. Infrared Illuminators</td>
<td>8. Option Module Slots</td>
</tr>
<tr>
<td>4. 24” System Display</td>
<td>9. USB 3 Ports</td>
</tr>
<tr>
<td>5. System Audio Bar</td>
<td>10. Network/Power Connectors</td>
</tr>
</tbody>
</table>
System Installation

The vCLINiC is designed to be mounted on a stable supporting structure that prevents it from being knocked over or dropped. The standard VESA mounting hold pattern on the back of the unit fits many commercially available wall mount brackets, desk stands and mobile carts. Prior to installation, please refer to Appendix A for mounting holes locations and dimensions. Please note, a Phillips #1 and #2 screwdriver is required for system assembly.

Installing the Camera

Before using the system for the first time, you need to mount and connect the camera to the mounting panel located on top of the vCLINiC.

To install the camera on the vCLINiC:

1. Remove camera assembly from packaging and place carefully on a table top.
2. The system is supplied with a camera mounting plate and countersunk bolt to attach the camera to the mounting plate.
3. Ensure the rear connectors of the camera are located at the rear of the mounting plate, as shown below:

![Figure 3 - Attaching Camera to Mounting Plate](image)
4. Gently place the camera assembly on top of the vCLiNiC ensuring the holes on the camera mounting plate line up with the mounting holes on top of the vCLiNiC.

![Figure 4 - Attaching Mounting Plate to System Chassis](image)

5. Attach the camera assembly to the vCLiNiC chassis using the four provided Philips head screws.

![Figure 5 - Connecting the two camera cables](image)

6. Connect the two cables that come out at the top of the vCLiNiC to the corresponding connectors on the rear of the camera.
7. Attach the rear camera cable cover using the two Phillips head screws provided.

Figure 6 - Attaching rear camera cable cover

8. Gently remove any packaging foam and tape from camera to complete system assembly.
Sound Deflector

The vCLINiC includes a removable sound deflector, which can be installed underneath the sound bar as shown in Figure 7.

![Sound Deflector Image]

This sound deflector improves the audio quality for the vCLINiC installations that are either wall-mounted or mounted on an arm, by deflecting the audio forward.

Installing the Sound Deflector

Locate the three central Phillips head screws on the base section of the sound bar at the rear of the chassis.

1. Remove the three Phillips head screws and align the deflector, pointing forward, with the three screw holes and replace screws to secure shield in place.
Connections

The base vCLiniC includes an AC power inlet, an Ethernet port for connecting to a wired network, several USB 3 ports for connecting external devices including a keyboard/mouse, which may be required for setting up the vCLiniC system.

<table>
<thead>
<tr>
<th>Left Side View</th>
<th>Right Side View</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. IEC Main power inlet</td>
<td>5. 2 x Display USB 3 ports (inactive - for future use)</td>
</tr>
<tr>
<td>2. DB9 Expansion control port (future use)</td>
<td>6. USB 3 port (module blank plate)</td>
</tr>
<tr>
<td>3. 10/100/1G Ethernet port</td>
<td>7. USB 3 port (module blank plate)</td>
</tr>
<tr>
<td>4. USB 3 Port (keyboard/mouse)</td>
<td>8. 2 x Wi-Fi Antenna ports</td>
</tr>
</tbody>
</table>

Figure 10 - Connection Ports
**Wi-Fi Network Operation**

The vCLINiC can be connected to either a wired or wireless (Wi-Fi) network. To operate from a Wi-Fi network, the two supplied antennas need to be attached to the system.

---

### Installing the Wi-Fi Antennas

1. Locate the two Wi-Fi antenna connectors on top of the vCLINiC chassis. These are adjacent to the left and right infrared illuminators.

![Figure 11 - Location of WiFi Antennas](image1)

2. Install the two supplied Wi-Fi antennas by aligning them with the threaded mating connectors on top of the vCLINiC chassis and gently screw them into place.

![Figure 12 - Installing Wi-Fi Antenna](image2)
Getting Started

Powering On and Off
Connect any required peripherals to the USB ports of the vCLINiC before connecting the vCLINiC to AC power.

Powering On the vCLINiC
To power on the vCLINiC:
- Connect the vCLINiC to AC power. This will automatically power on the integrated computer, camera and display of the vCLINiC. A splash screen will be displayed within several seconds.

Waking Up the vCLINiC
The system goes to sleep after a set period with no activity. This value can be changed from the Settings menu of the VidyoRoom administrator user interface (Admin UI).
To wake up the vCLINiC:
- The vCLINiC will automatically wake up on receipt of an incoming call, or by pressing any button on the infrared remote control.

Powering Off the vCLINiC
Powering off the CLINiC is typically unnecessary. Most video endpoints remain connected to the network and in stand-by mode until a call is placed or received. However, you may need to power off the vCLINiC if you need to move the vCLINiC to a different room.
To power off the vCLINiC:
- Disconnect the vCLINiC from AC power.

Restarting the vCLINiC
You can restart the vCLINiC by powering off and powering on the vCLINiC.
Connecting to the Network

Before you can make and receive video calls with the vCLINiC, you must connect the unit to the network. There are two ways you can connect to the network: using the integrated Wi-Fi with external antenna, or using the 10/100/1G Ethernet port.

To connect the vCLINiC to a Wi-Fi network, please refer to VidyoRoom™ and VidyoPanorama™ 600 Administrator Guide.

vCLINiC Software Set Up & Administration

You can modify the default functions of the Vidyo CLINiC by logging in as an administrator to the VidyoRoom Admin UI and performing the desired changes.

For further set up details on the vCLINiC, please refer to “About the Iron Bow vCLINiC (Powered by Vidyo) document which includes links to all set up details of the embeded Vidyo software application. This document can be accessed at:

https://support.vidyocloud.com/hc/en-us/articles/360011212954-About-the-Iron-Bow-vCLINiC-Powered-by-Vidyo-

Appendix #1: Vidyo Infrared Controller Functions

A Vidyo Infrared controller is supplied as standard with the vCLINiC, which can be used to set up basic system functions; make and receive calls, controlling the camera, volume and all other functions that may be required during a call between one or more sites.

The operational controls are outlined below. Further information on operation of the Vidyo Infrared controller, please refer to “About the Iron Bow vCLINiC (Powered by Vidyo)” which includes links to all set up details of the embeded Vidyo software application.
Not In Conference

CONNECT
Not applicable.

ARROWS / OK
Use the arrow keys to navigate on-screen. The option you navigate to will be highlighted in green when activated. Press OK on the remote to select the option on-screen.

VOLUME / MUTE / SELF-VIEW / ZOOM
Volume — Not applicable.
Mute — Not applicable.
Self-View — Enables you to see your own video. Pressing this button turns the feature on and off.
Zoom — Acts as a camera zoom after pressing the manage button.

ALPHANUMERIC KEYPAD
Use these keys in conjunction with the input modes on-screen to key in user names, passwords, and search terms.

CONTROL KEYPAD
- Back — Takes you to the previous screen in the VidyoRoom interface.
- Manage — Turns off the pre-call on-screen UI allowing camera control using the Zoom and arrow keys.
- Home — Takes users to the home screen in the VidyoRoom interface.
- Delete — Acts as a backspace when typing in a form field.
- Settings — Brings up the Settings screen.
- Toggle — Not applicable.
A — Swaps your displays.
B — Not applicable.
C — Turns Caps Lock on and off.
D — Not applicable.
In Conference

DISCONNECT
Ends the meeting.

ARROWS / OK
Left/Right — Pans the camera (if supported by the camera).
Up/Down — Tilts the camera (if supported by the camera).

VOLUME / MUTE / SELFVIEW / ZOOM
Volume — Adjusts the sound level.
Mute — Mutes your microphone or recording source.
Self-View — Enables you to see your own video. Pressing this button turns the feature on and off.
Zoom — Zooms your camera in/out (if supported by the camera).

ALPHANUMERIC KEYPAD
1-9 — Not applicable.
a — Not applicable.

CONTROL KEYPAD
Manage — Brings up the in-call on-screen UI.
Home — Not applicable.
Privacy — Toggles Privacy mode, so that no one in the conference can see your video.
Share — Not applicable.
Toggle — Cycles through shared sources, including none.
A — Swaps displays when using dual screens.
B — Enables DTMF dialing.
C — Turns Caps Lock on and off.
D — Depending on your display size, toggles remote participant layout from Stretch to Letterbox.
Appendix #2: Mounting Information

The following diagram is not to scale & is provided for dimensional information only.

Figure 13- vCLiNiC Rear Mounting Layout
# Specifications

## Videoconferencing

<table>
<thead>
<tr>
<th>Software</th>
<th>VCC-100 Version 3.3.24 or later</th>
</tr>
</thead>
<tbody>
<tr>
<td>Camera</td>
<td>Iron Bow IBHC-04 camera 10x optical/10x digital zoom</td>
</tr>
</tbody>
</table>

## Display

<table>
<thead>
<tr>
<th>Type</th>
<th>23.8” IPS LED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Native Resolution</td>
<td>1920 x 1080</td>
</tr>
<tr>
<td>Viewing Angle H/V</td>
<td>178°/178°</td>
</tr>
<tr>
<td>Response Time</td>
<td>5 ms (gray to gray)</td>
</tr>
</tbody>
</table>

## Control

<table>
<thead>
<tr>
<th>Remote Control</th>
<th>Vidyo IR remote control (USB receiver) ACC-VIDYO-IR-REMOTE-A01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control Port</td>
<td>DB9 expansion control port (for future use)</td>
</tr>
<tr>
<td>Keyboard/Mouse</td>
<td>For installation, it is recommended a keyboard, mouse and interconnecting USB hub is used (end user supplied)</td>
</tr>
</tbody>
</table>

## Video Input/Output

<table>
<thead>
<tr>
<th>Input</th>
<th>Iron Bow IBHC-04 camera 10x optical/10x digital zoom</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3 x USB3</td>
</tr>
<tr>
<td>Output</td>
<td>1 x Display port (dedicated to display)</td>
</tr>
<tr>
<td><strong>Audio Input/Output</strong></td>
<td></td>
</tr>
<tr>
<td>------------------------</td>
<td>---</td>
</tr>
<tr>
<td><strong>Input</strong></td>
<td>Integrated beam-forming quad microphone array</td>
</tr>
<tr>
<td><strong>Output</strong></td>
<td>Integrated stereo speakers; 2 x 5 Watts</td>
</tr>
<tr>
<td><strong>Network</strong></td>
<td>1 x 10/100/1G Ethernet</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• 21.6” Wide</td>
</tr>
<tr>
<td></td>
<td>• 19.75” High (Includes camera. Detachable speaker deflector adds 1.25”)</td>
</tr>
<tr>
<td></td>
<td>• 6.5” Deep</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>23 lbs.</td>
</tr>
<tr>
<td><strong>Mounting</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Compatible with 100mm x 100mm VESA mounts (refer to the Appendix for mounting hole location and required hardware)</td>
</tr>
<tr>
<td><strong>Electrical</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>100-240V~50/60Hz, 2A - 0.9A (100-240v)</td>
</tr>
<tr>
<td></td>
<td>Nominal 75W</td>
</tr>
<tr>
<td></td>
<td>Integrated auto sensing power supply</td>
</tr>
<tr>
<td></td>
<td>1 x IEC type inlet</td>
</tr>
</tbody>
</table>
[Intentionally Left Blank]