

# **Iron Bow vCLINiC™ Installation and User Guide**

**CLINiC-VC-10XIR-A01**

**Document Version 2.2**

**Copyright © 2018 Iron Bow Technologies**  
All Rights Reserved.  
Specifications subject to change without notice.

For general inquiries, contact:  
**Iron Bow Healthcare Solutions**  
**2303 Dulles Station Boulevard, Suite 400**  
**Herndon, VA 20171**  
Toll: 800.338.8866  
Tel: 703.279.3000  
[www.ironbowhealthcare.com](http://www.ironbowhealthcare.com)

For support, contact:  
**Iron Bow Client Service Center**  
Toll: 833.476.6269 (833.IRONBOW)  
Email: [CSC@ironbow.com](mailto:CSC@ironbow.com)

# Contents

---

<b>Table of Figures .....</b>	<b>4</b>
<b>Introduction .....</b>	<b>5</b>
<b>System Description.....</b>	<b>6</b>
System Installation.....	6
Installing the Camera.....	6
Sound Deflector.....	9
Installing the Sound Deflector.....	9
Connections.....	10
HDMI/PC Option Module .....	11
Wi-Fi Network Operation .....	12
Installing the Wi-Fi Antennas .....	12
<b>Getting Started .....</b>	<b>13</b>
Powering On and Off .....	13
Powering On the vCLINiC.....	13
Waking Up the CLINiC.....	13
Powering Off the CLINiC.....	13
Restarting the vCLINiC.....	13
Connecting to the Network .....	13
<b>Appendix: Mounting Information .....</b>	<b>14</b>
<b>Specifications .....</b>	<b>15</b>

# Table of Figures

---

Figure 1. vCLINiC with Integrated Sound Bar .....	5
Figure 2. vCLINiC Major System Components .....	6
Figure 3. Attaching Camera to Mounting Plate .....	7
Figure 4. Attaching Mounting Plate to System Chassis .....	7
Figure 5. Connecting the Two Camera Cables .....	8
Figure 6. Attaching Rear Camera Cable Cover .....	8
Figure 7. vCLINiC Sound Deflector .....	9
Figure 8. Sound Deflector Screw Location .....	9
Figure 9. Installing Sound Deflector .....	9
Figure 10. vCLINiC Connection Ports .....	10
Figure 11. vCLINiC Optional HDMI Input Module .....	11
Figure 12. Location of Wi-Fi-Antennas .....	12
Figure 13. Installing Wi-Fi Antennas .....	12
Figure 14.vCLINiC Rear View and Mouting Hole Locations.....	14

# 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-A01) including currently available option modules which have been designed to enable flexible operation in different environments. 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. An option module is available to allow external HDMI sources, typically from a PC or similar device, to be transmitted as a secondary video source to remote location(s).

The vCLINiC incorporates standard VESA mounting allowing interchangeable installation on table top stands, suitable mobile carts and wall mounts.

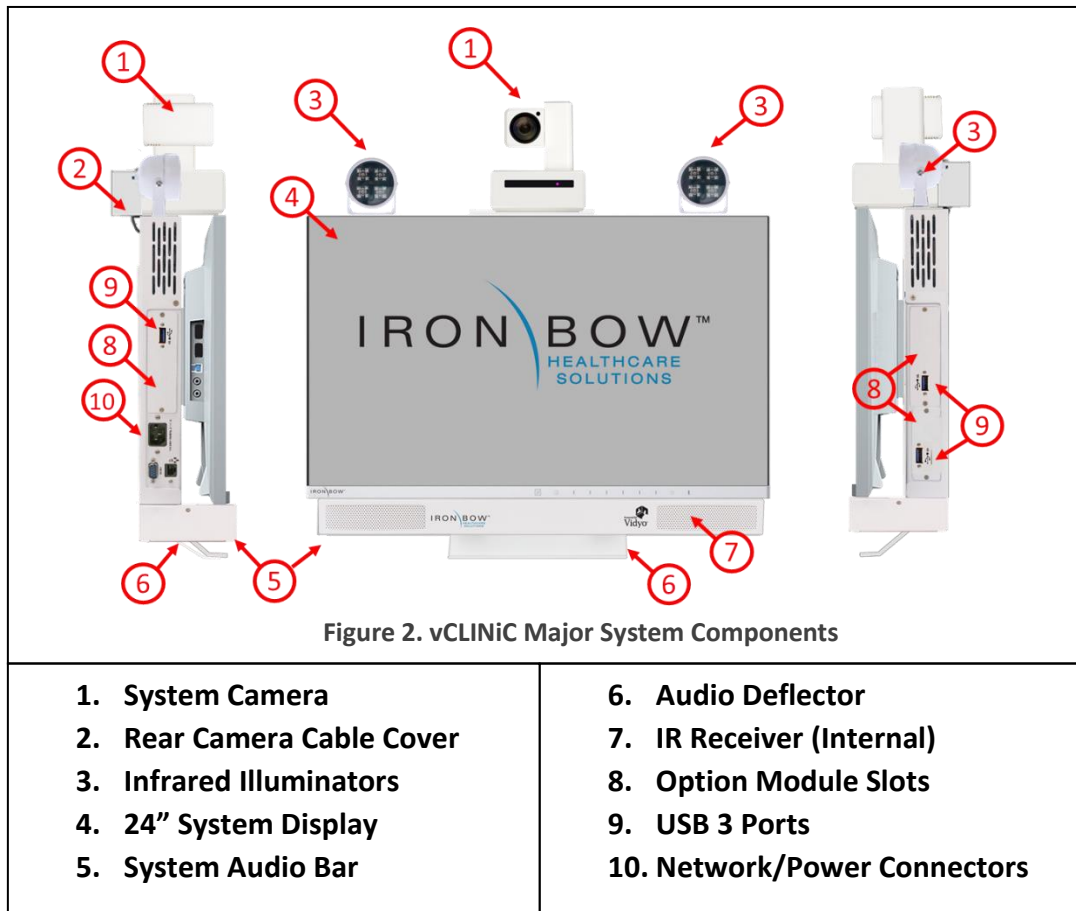


**Figure 1. vCLINiC with Integrated Sound Bar**

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:



## System Installation

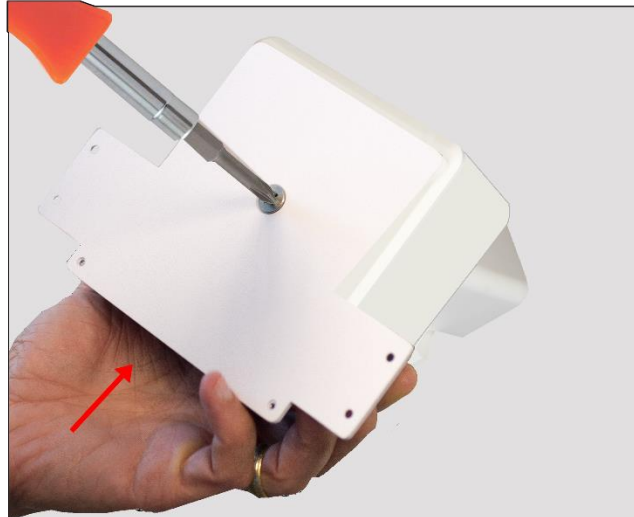
The vCLINiC should be mounted on a stable supporting structure such as a table top stand, wall mount, monitor arm, or medical cart. Prior to installation, please refer to *Appendix: Mounting Information* for mounting holes locations and dimensions. Please note, a Phillips #1 and #2 screwdriver is required 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**

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.



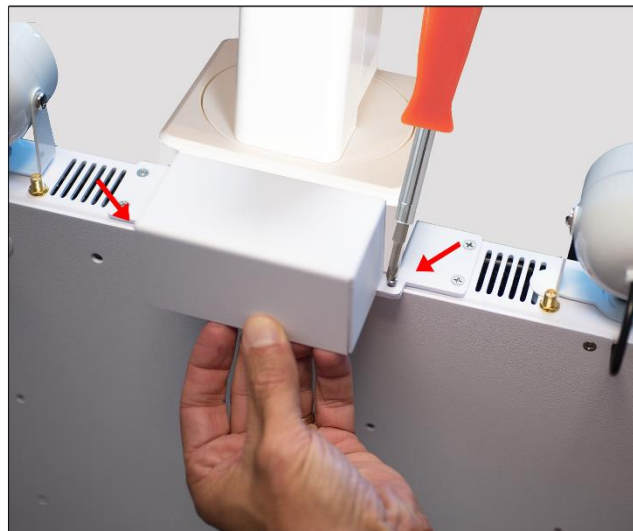
**Figure 4. Attaching Mounting Plate to System Chassis**

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



**Figure 5. Connecting the two Camera cables**

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.



**Figure 7. vCLINiC Sound Deflector**

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



**Figure 8. Sound Deflector Screw Location**

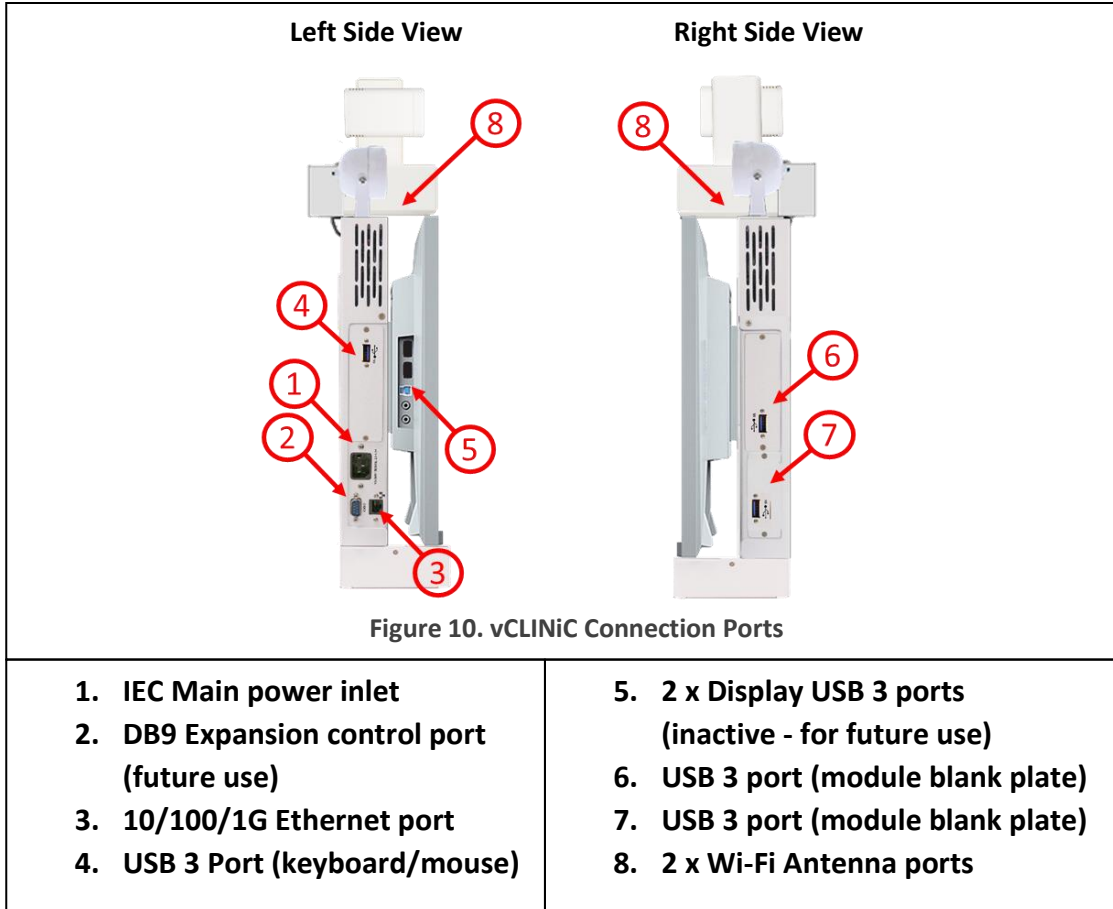


**Figure 9. Installing Sound Deflector**

1. Locate the three central Phillips head screws on the base section of the sound bar at the rear of the chassis.
2. 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.

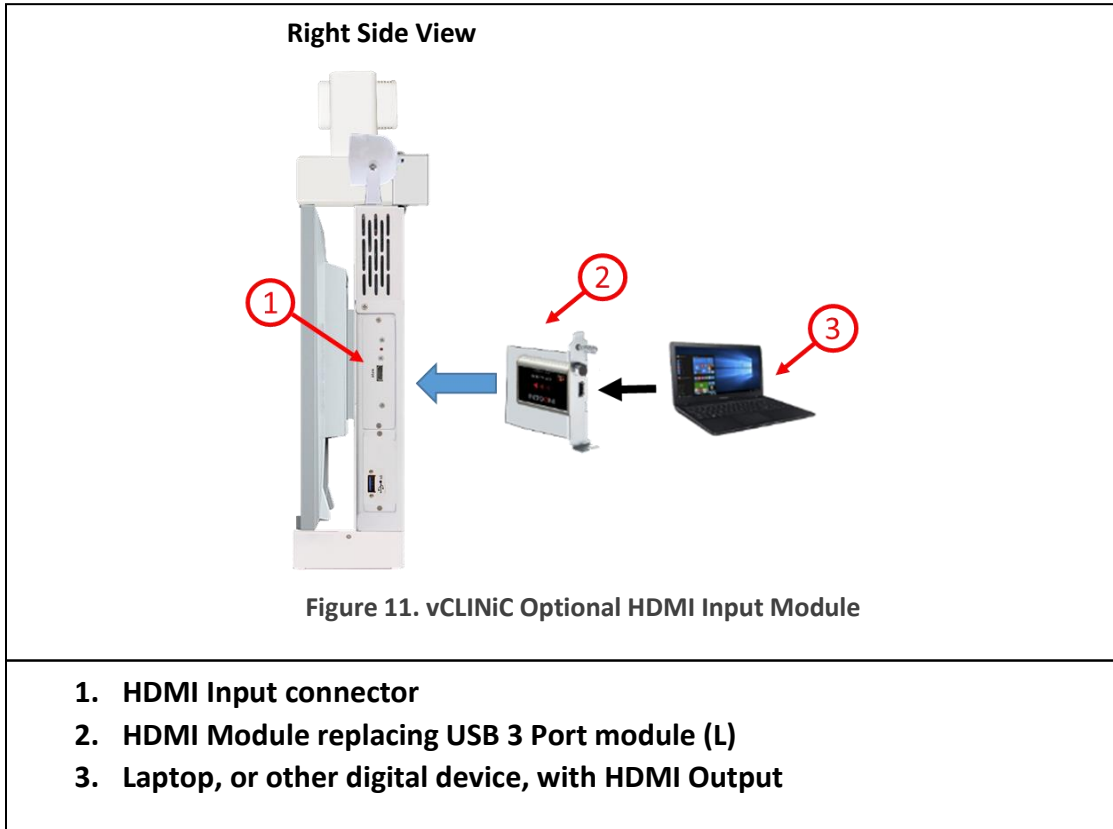


Various option modules are available for the vCLINiC allowing a series of different external devices to be connected to the system. The option modules are installed within the vCLINiC replacing USB3 ports#6 & 7 as shown on the above diagram.

## HDMI/PC Option Module

**Part Number: ACC-HDMI-A01**

The vCLINiC can be supplied with an HDMI Input module that can be used for the transmission of video from an external PC or similar device.



For selection of HDMI input module as a transmission source, please refer to *VidyoRoom™ and VidyoPanorama™ 600 Administrator Guide*

## 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.



Figure 12. Location of Wi-Fi Antennas

## 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 13. Installing Wi-Fi Antenna

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.

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

# Getting Started

---

## Powering On and Off

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

### Powering On the vCLINiC

*To power on the vCLINiC:*

- Connect the CLINiC 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 one hour 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:*

- Press 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 CLINiC 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.

## Appendix: Mounting Information

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

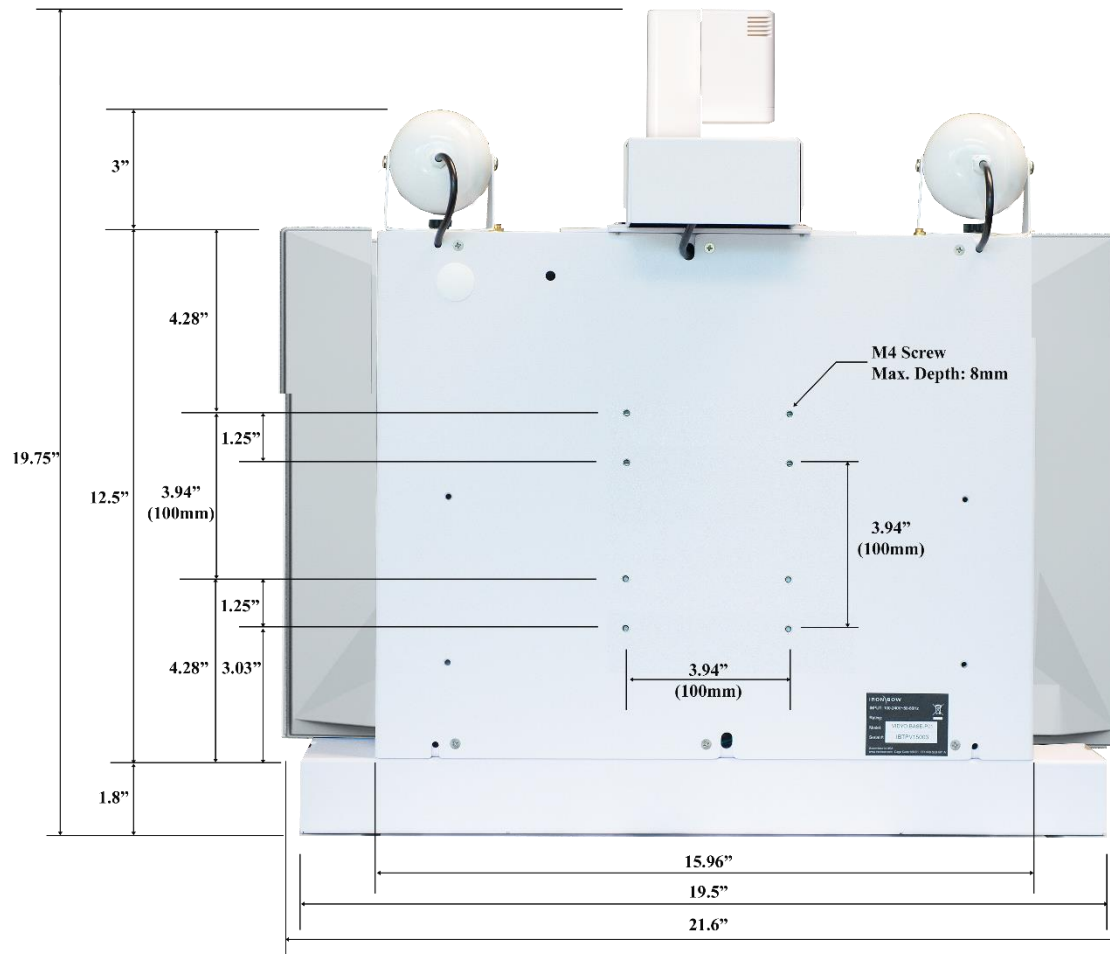


Figure 14. vCLINiC Rear view and Mounting Hole Locations

# Specifications

---

Videoconferencing	
Software	VCC-100 Version 3.3.24 or later
Camera	Iron Bow IBHC-04 camera 10x optical/10x digital zoom
Display	
Type	23.8" IPS LED
Native Resolution	1920 x 1080
Viewing Angle H/V	178°/178°
Response Time	5 ms (gray to gray)
Control	
Remote Control	Vidyo IR remote control and USB receiver ACC-VIDYO-IR-REMOTE-A01
Control Port	DB9 expansion control port (for future use)
Keyboard/Mouse	For installation, it is recommended a keyboard, mouse and interconnecting USB hub is used (end user supplied)
Video Input/Output	
Input	Iron Bow IBHC-04 camera 10x optical/10x digital zoom
	1 x HDMI (optional)
	3 x USB3
Output	1 x Display port (dedicated to display)

Audio Input/Output	
Input	Integrated beam-forming quad microphone array
Output	Integrated stereo speakers; 2 x 5 Watts
Network	
	1 x 10/100/1G Ethernet
Dimensions	
	<ul style="list-style-type: none"> <li>• 21.6" Wide</li> <li>• 19.75" High (Includes camera. Detachable speaker deflector adds 1.25")</li> <li>• 6.5" Deep</li> </ul>
Weight	
	23 lbs.
Mounting	
	Compatible with 100mm x 100mm VESA mounts (refer to the Appendix for mounting hole location and required hardware)
Electrical	
	100-240V~50/60Hz, 2A - 0.9A (100-240v) Nominal 75W Integrated auto sensing power supply 1 x IEC type inlet





2303 Dulles Station Boulevard, Suite 400  
Herndon, VA 20171

Toll: 800.338.8866  
Tel: 703.279.3000

[www.ironbowhealthcare.com](http://www.ironbowhealthcare.com)