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User Manual





The Vu TelePresence® system delivers HD Quality Video Conferencing on Low Bandwidth with anyone, anywhere without moving an inch. It provides a suite of features encompassing VirtualFacets™ Compression Technology, Multi Party Conferencing, PC Sharing & Collaboration and Worldwide Vu TelePoint Access.

Please go through this owner's manual to familiarize yourself with this product. We have also listed some primary safety information to provide assistance in maintaining your device.

Item Checklist.....	3
Unpacking & Handling Precautions.....	4
Connecting the Dots.....	4
Media Control Unit/Codec Wiring.....	4
Keyboard Connection.....	4
Speaker Connection.....	4
Microphone Connection.....	4
Video Camera Setup.....	5
Calibrate Touchpad.....	5
Quick Start Guide.....	6
Basic Operations.....	6
Room Lighting Guidelines.....	7
Camera Positioning.....	7
Furnishing Guidelines.....	8
Network Connectivity.....	8
Start Vu'ing.....	9
Adding a Contact to the Global Directory.....	9
Making a Vu TelePresence® Call.....	9
Deleting a Contact from the Global Directory.....	10
Adding a Contact to a Live Conference.....	10
Removing a Contact from a Live Conference.....	10
Ending a Vu Call.....	10
Vu Screen Sharing.....	11

Vu Advanced Menu Options.....	15
Call Log.....	15
Menu Options During a Call.....	16
Contacts.....	17
Settings.....	17
Archives.....	19
Support.....	19
Web Connect.....	20
Shut Down.....	20
Vu Tech Specs.....	21
Viewing the Remote Control.....	23
Cleaning and Care.....	24
Safety: General.....	24

Contents

Items Checklist

Check whether all the following items have been included before starting. If anything is missing, please contact your dealer.

Media Control Unit/Codec



Speaker



Microphone



Wireless Keyboard



Video Camera & Remote



720p HD Ready or 1080p Full HD

Cables



HDMI Cable

FireWire Cable

Power Cable

RCA Cable

Unpacking & Handling Precautions

The following steps should be kept in mind while unpacking and assembling the whole unit:

- All the warnings and the handling precautions should be followed strictly.
- Avoid placing this unit on any kind of unstable platform, stand or table that may fall, causing serious injuries as well as damage to the unit.
- The unit should only be operated only from the kind of power source specified on the appropriate label by the manufacturer. (AC 110/220 V)

Connecting the Dots

Now that we have established which parts comprise the Vu TelePresence® device, let's begin wiring it up!

Starting your system

1. **Media Control Unit/Codec Wiring:** Connect the power cord to the MCU Codec as shown.



3. **Speaker Connection:** Connect the power and auxiliary cable to the appropriate slots, located at the rear of the unit.

Please note that the Auxiliary connection goes into the Microphone.



2. **Keyboard Connection:** Connect the Vu wireless keyboard USB dongle to the MCU Codec as shown.



4. **Microphone Connection:** Connect the Vu microphone to the MCU Codec as shown using the USB cable.



Video Camera Setup:

- The 1080p HD camera has several connection options, please choose the HDMI connection cable to the Codec and connect the power cable to the power jack. The 1080p camera will be connected to the main unit via HDMI cable only, for an HD quality conference.
- The 720p camera derives its power from the FireWire port located at its rear and connects to the FireWire port (1394 interface) on the Codec.



1080p Camera



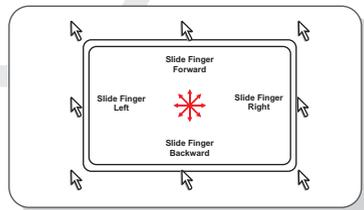
720p Camera

Calibrate Touchpad

The touchpad with its buttons is a pointing device that controls the navigation of the cursor on the monitor screen. It provides basically the same functions as a desktop mouse.

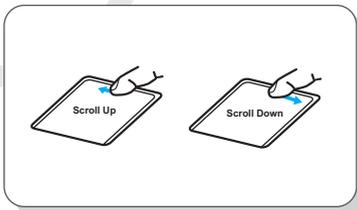
Moving the Cursor

Place your finger in the center of the touchpad and slide in a direction to move the cursor.



Scrolling

On the touchpad, slide your finger up or down on the right side to scroll a window up or down simultaneously.



Note: The Wireless keyboard features a sleep mode which powers down the unit to reduce battery consumption after a certain amount of idle time. You can resume working by pressing the ID Fn Link key  located at the bottom left hand side.

Quick Start Guide

Basic Operations

To start the basic operations:

1. Switch on the power button to the [I] position, to power up the codec.



3. Switch on the speaker by using the ON-OFF switch. The speaker can be muted via the mute sound button.



2. Connect the microphone to the speaker via a standard jack (1/8 inch). The microphone connects to the codec via a USB cable. The microphone can be muted by pressing the switch on the right panel of the microphone.



4. Rotate/pan the video camera to your desired angle using the remote. You can also zoom in/out via the same remote as per your requirement.



Room Lighting Guidelines:

The Vu TelePresence® system will give optimal results when the room is brightly lit with a balanced lighting scheme, making sure that the people seated are clearly visible. Make sure the camera is never pointed at a window; this will mask the features of the subject to the caller on the other end.

The following points need to be kept in mind while setting up the room for an optimal TelePresence experience:

- Lighting is crucial. The background should be brighter than the foreground.
- Soften the light.
- Eliminate the unwanted glare from reflections.
- Color adjustments.
- Background adjustments.

Camera Positioning

Position the camera and display unit for optimal eye contact using the wizard provided under Settings.

For optimal eye contact mount the camera on the centre of the upper frame of your monitor screen. Rotate the camera upward or downward, left or right for the best possible angle of view.



Furnishing Guidelines

It is recommended that special attention is given while purchasing furniture and accessories for the Vu TelePresence® system.

The conference table should be “U” shaped or semi-circular having round edges. The material should be 2" thick wooden ply with cream colored laminate. The table should be 8' long and 2' deep, so that the placement is approx. 5' to 5 ½' from the TV. The conference table should also have the provision for electric supply, internet connectivity, and VoIP phone.

The chief purpose of these furnishing guidelines is to provide the illusion of a continuous table, enabling the participants to experience their clients' presence in the same room.



Network Connectivity

Vu TelePresence® is designed to work at very low bandwidths (700 kbps upstream and downstream for a point to point session) for 720p HD quality. It is important that the user identifies the proper network setup and tweaks the connection for successfully running a meeting. Choosing the right ISP (Internet Service Provider) is crucial for optimal product use.

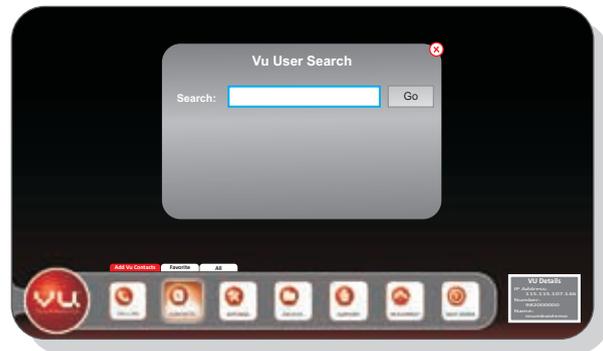
ISPs should be selected based upon the settings a particular provider implements along with the kind of router and cable/DSL modem, the user has in order to avoid any kind of connection issues.

For example, if the user faces poor video quality, network connectivity having more consistent bandwidth is preferred. In such cases, leased line speeds serve the best quality. In addition, check your firewall configuration as firewalls tend to introduce latencies for real-time audio-video traffic. Having a public IP is preferred though not mandatory.

Start Vu'ing

Adding a New Contact

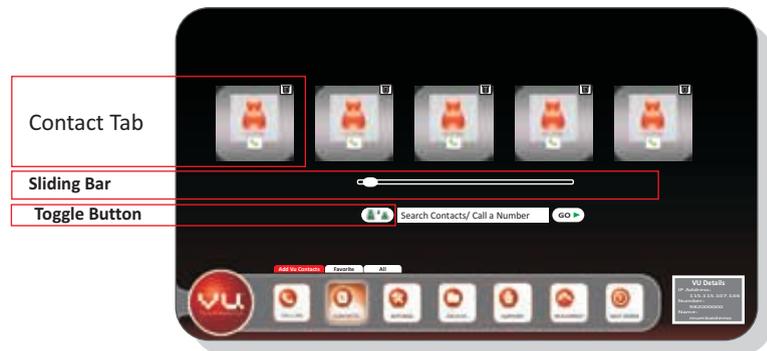
1. Select the **Contact** button on the menu panel.
2. Click on the **Add Vu Contacts** tab. The 'Vu User Search' will be displayed.
3. In the **Search** box, enter the Vu number of the desired calling party.
4. Click on the **Go** button to send a contact request. Only after they accept will you be able to make or receive a call.



Making a Vu TelePresence® Call

There are two ways to make a Vu TelePresence® call,

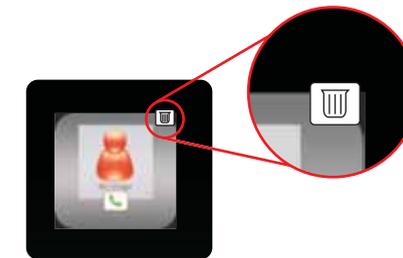
1. Scroll the **sliding bar** to select one of the added contact lists in the global directory.
2. Enter the corresponding IP details & the Vu number of the calling party to send a contact request, only after they accept will you be able to make or receive a call.



Note: The other way to do this is by typing the name of the contact in the search box below the horizontal list. It also features a toggle button that assists to toggle between the offline and on-line contacts simultaneously.

Deleting a Contact from the Global Directory

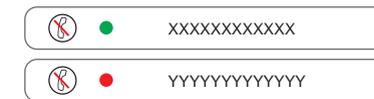
To delete a contact from the Global Directory all you have to do is click on the trash can icon on the upper right hand side of each contact tab.



Adding a Contact to a Live Conference

To add a contact to a live call,

1. Click on **Conference** button from the menu.
2. Choose the contact from the mini global directory list on the right side of the screen.
3. A group call will be initiated.



Note: The mini menu consists of four tabs, similar to the main call menu.

The four options let a caller view **Calls in Progress**, **Favorites list**, **Global list** and a **Dialing in progress**.

Removing a Contact from a Live Conference

To discontinue a caller from a live conference simply click on the  icon and continue Vu'ing your desired caller.

Ending a Vu Call

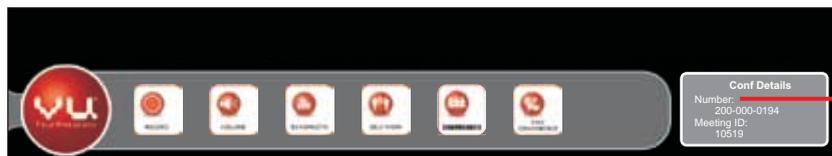
Ending a call is as simple as starting a call, simply click on the  icon to disconnect the call.

Vu Screen Sharing

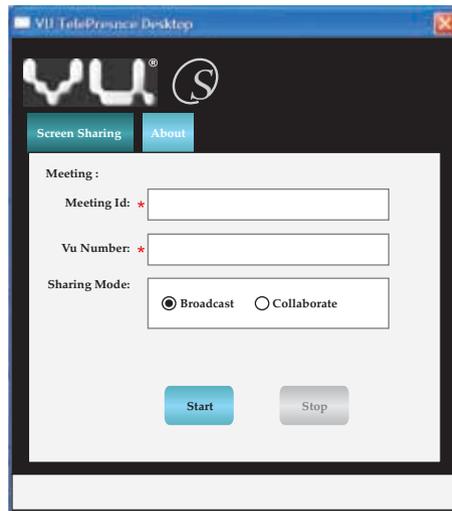
There are times when simply talking about a new product or design is not enough. Vu TelePresence® allows you to share your desktop with a client while on a live conference. All one needs to do is install the VuShare application (available from here <http://www.vutelepresence.com/downloads>) and then share their screen with a client.

To activate the Screen Sharing application,

1. Double click on the **VideoScreenSharing** icon. The Vu TelePresence® Desktop dialog box will be displayed.



Vu Number



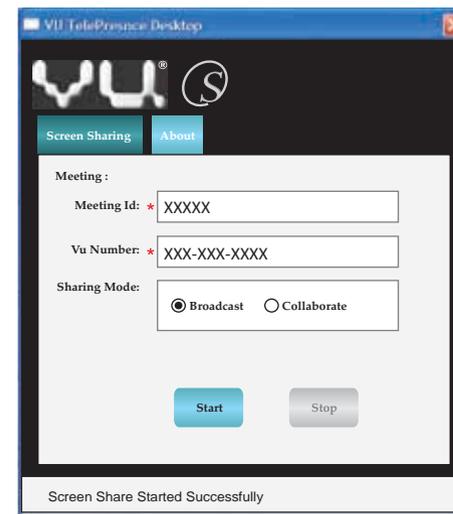
2. Under the **Screen Sharing** tab, enter the automatically generated meeting id (provided at the bottom right hand side of the screen) in the **Meeting Id** text box.

3. Enter the phone number of the desired caller in the **Vu Number** text box.

4. Select the type of sharing mode which includes **Broadcast** (for simple screen sharing) and **Collaborate** (for sharing control of the presenter's screen with other participants) as per the requirement. By default, this is set to Broadcast.



Note: While in **Collaborate Sharing Mode**, the meeting participants has the provision to take control of the shared desktop, or application from the presenter, but the participants must request control prior to giving up the control of the screen. Also note that the Collaborate mode takes more bandwidth compared to the Broadcast mode.



5. Click on the **Start** button to initiate the live conference. It will connect instantaneously to the laptop displaying 'Screen Share Started Successfully'.

6. The screen will split into two sections including the presenter, the meeting participants and the laptop screen along with the menu panel. The user/presenter can now share and watch the other participant's screens.

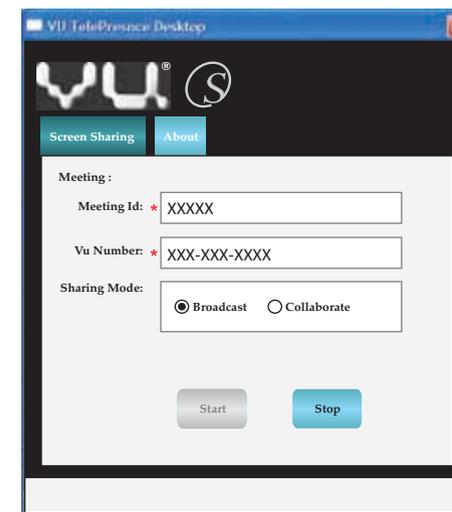


Note: The position and the number of the screens are not fixed; it can be adjusted according to the requirement of the presenter. On entering the live conference, the screen will display the menu panel by default at the bottom of the screen, which too can be removed as per the requirement.

7. Select the desired split screen style/position using the *Self-View* tab and commence the live conference.



8. Click on the **Stop** button to stop the conference and turn off the screen sharing.

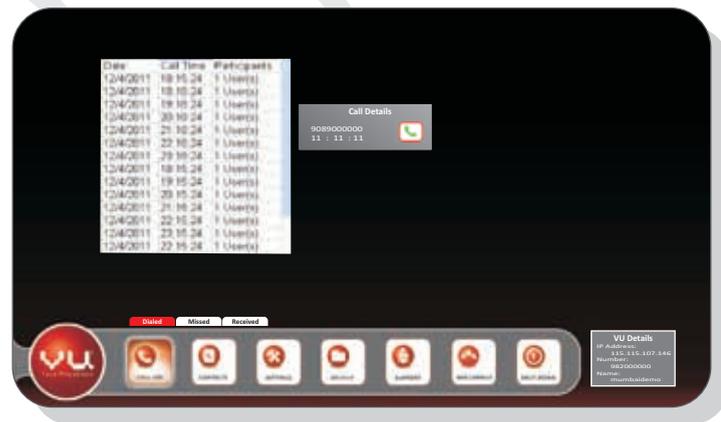


Vu Advanced Menu Options

To get an in-depth look at the Vu Interface, the following is a brief of each feature of the appliance.

Call Log

- Dialed - Lists the last dialed contacts.
- Missed – List all the unanswered calls made to the system.
- Received – Lists all the answered calls made from the system.



Menu Options during a Call

During a call the menu offers options that help you maximize your time.

Record

Lets users to record a Vu Meeting for review & archival.



Self-View

Lets users to view themselves in a split-screen style.



Volume

Lets users to adjust the volume for the speaker and microphone.



Conference

Opens the mini menu to engage in a multi-party conference.



Bandwidth

Displays the bandwidth usage details of current calls.



End Conference

Lets users to disconnect a live session.



Contacts

- Add Vu Contacts – Lets users add new contacts to the Global directory.
- Favorites – Lets users call a predefined group of contacts.
- All – Lists all the contacts in one searchable index.

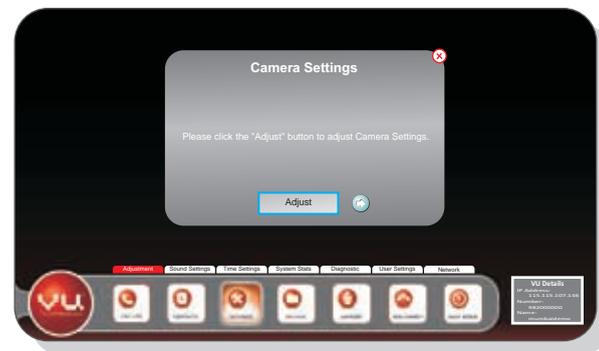
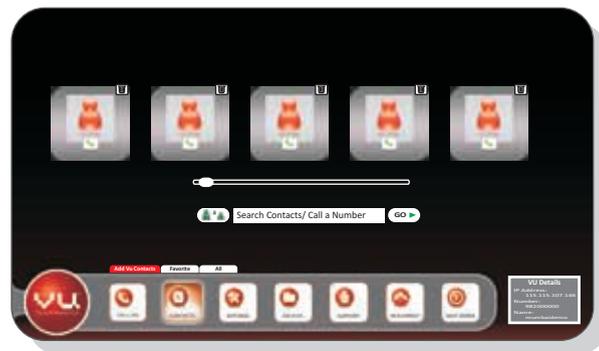
Settings

Making and receiving video calls can be made even more functional by configuring the Menu screen. Using the mouse, navigate to the **SETTINGS** icon to start configuring the menu. The Default System Password is set when the system is first started.

- **Adjustment** – Lets users to adjust the camera as well as the sound settings.

For camera adjustment,

1. Click on the **Adjust** button. The two pairs of brackets will be superimposed on the video feed.
2. Adjust the camera angle with the remote directional keys to position the presenters inside these separate brackets. This adjustment allows for the calling party to maintain an eye level contact with the caller.



For sound adjustment,

1. Click on the arrow  left to the **Adjust** button.
2. Click on the **Speak** button and follow the respective audio instructions.
3. Scroll the two vertical scrolling bars to set the desired speaker and microphone volume.

- **Sound Settings** – Lets users to enable/disable sound from a list of operations.
- **Time Settings** – Lets users to configure the date and time to the desired settings.
- **System Stats** – Displays the connectivity with various system's parameters.
- **Diagnostics** – Facilitates the network technicians to troubleshoot the network issues.
- **User Settings** – Lets the users to adjust multiple settings and features multiple options including,
 - **Vu Number** for entering the unique identification number of the system.
 - **Name** for giving a name to the system.
 - **Admin Passwords** for setting the password for the administration.
 - **Privacy** for making the user status private as per the need. The option should be checked or disabled, if the user wants to be seen by others in the global directory and vice versa.
 - **Auto Accept Call** for enabling the provision of automatically accepting calls instead of doing it manually.
 - **Max Allowed Bandwidth** for enabling maximum allowable bandwidth.
 - **Monitor Turn Off Time** for configuring the time for power saving.
 - **Enable Lock** prompts for a password when the system comes out of "hibernate" mode.
 - **Reset Factory** for complete restoring the system to its factory settings.
- **Network** – Lets users to establish the connection by entering the required IP Address, DNS Servers and etc.

Note: The Settings menu is password protected; the system does not come with a preconfigured default password. On entering the menu settings section you are prompted to enter the new default password. Alternatively a new password can be configured in the Admin Passwords box of the User Settings menu.

Archives

The Archives section consists of the recorded conferences from any conference that the user had chosen to record in a prior conference.

To locate a previously recorded video,

1. Enter the desired name of the video in the **Search** box.
2. Click the **Go** button to play the video.

The selected video plays full screen with two buttons.

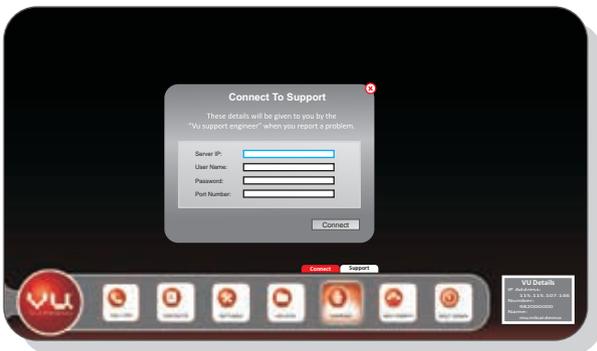
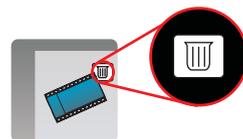
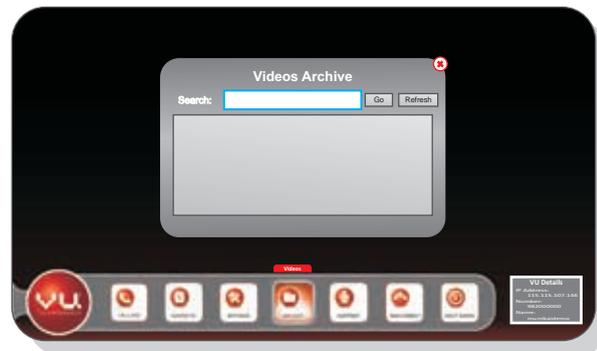
The  button stops the file and

the  button plays the selected file. Alternatively hitting the ESC key stops the playback.

Note: To delete unwanted recorded videos that occupy unnecessary space, just hover the cursor over the desired video strip icon and click on the Trash Can icon at the top right hand side for deleting them.

Support

- **Connect** - Lets the user to get in touch with the technical support team by providing the user name, server IP, password and port number, if they need to report any problem.
- **Support** - Lets the user call for support and troubleshooting by providing the respective name, email id and toll free number. Technical support can be provided through the telephone or online.



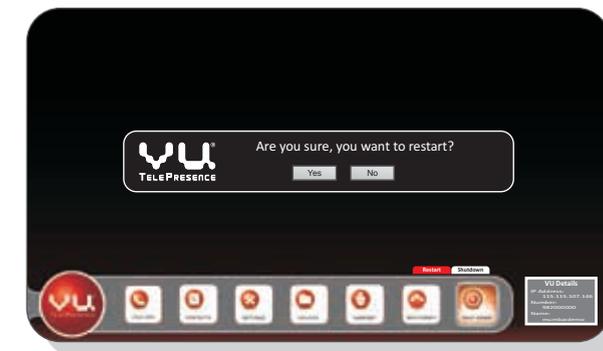
Web Connect

The Web Connect feature assists the user to participate in a Vu conference using a desktop or laptop machine with a Web Camera via a meeting id.

Shut Down

This button shuts down the entire Vu TelePresence® system. It comprises of two more options,

- **Restart** - Displays the confirmation popup window to restart the system.
- **Shut Down** - Displays the confirmation popup window to shut down the system.



Vu Tech Specs

Technology

Video Specifications/Video Resolutions & Format

- Proprietary VirtualFacets™ Compression Technology
- Maximum resolutions widescreen 16:9 aspect ratio
all resolutions progressive scanning
- All resolutions at 30 or 60 frames per second

Directory & Address Book

- Up to 1000 local directory entries
- Missed Call Notification
- Received / Dialed Call Directory

Directory

- International Language Support

Audio Standards & Protocols

- HD Wide Band Codec
- Audio Input/Output
- 1 x Mic In
- 1 x Speaker Out

Audio Characteristics

- High Definition Audio
- Full duplex for natural conversations
- Echo Cancellation for echo-free calls
- Automatic Gain Control
- Automatic Noise Reduction

User Interface

- Intuitive Graphical User Interface

Hardware

Speaker

Chipset:

- High End 8CH DAC & 2CH ADC Integrated USB Chipset
- Low Noise Class-D Digital Amplifier
- High Quality Speaker Drive: Left/Right 2" 8W x 2 Subwoofer 2 1/2" 12W x 1

Microphone

- Crisp, Clear Audio
- Full Duplex
- Acoustic Echo Cancellation
- Noise Cancellation
- 7 feet Pick up Range

Camera - 1080p Full HD

- 1080p/30fps or 720p/60fps
- HDMI Interface
- Pan Tilt and 55 Degrees FOV
- 10x Optical Zoom
- TV Mountable
- Min Sensitivity: 10 Lux
- Multi-Function Remote Controller

Media Control Unit/Codec

- VirtualFacets™ Compression Technology
- Parallel Processing using Multi-Core Processors
- Multi-Party Conferencing
- Easy PC Screen Sharing across Microsoft Windows® XP/Vista/Windows7
- Recording and Archival of Video Sessions (stores up to 1500 hours of conferences)
- Built-in Rich Web Client (Participants don't need Vu TelePresence® unit)
- Built-in Presence Capability
- One-to-Many Web Broadcast

Keyboard & Mouse

- 123-key Keyboard
- Ergonomic Design

Camera - 720p HD Ready

- 720p at 30fps
- FireWire HD Quality Camera
- Pan Tilt and 65 Degrees FOV
- 3.8x Optical Zoom
- Sensitivity: 1.5 Lux
- Gain 0 To 36db
- Offset: 0 To 511
- High Quality Lens
- Multi-Function Remote Controller

Viewing the Remote Control



1080p Full HD
Camera Remote

Zoom In Button: Adjusts the object to appear closer

Zoom Out Button: Adjusts the object to appear further away

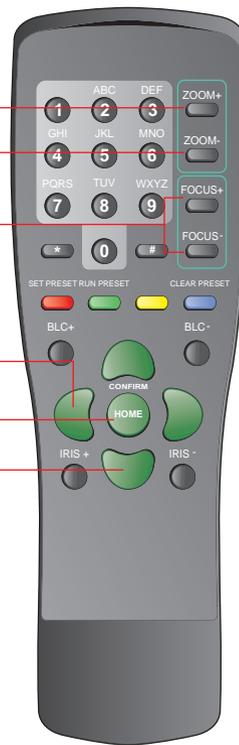
Focusing Buttons: Adjusts the focus of the object

Horizontal Rotate Buttons: Horizontally rotates the camera to either the left/right direction

Home Button: Returns to the pre-configured position of the camera

Vertical Rotate Buttons: Adjusts the pitch of the camera to either the upward/downward direction

Menu Button: Flashes the menu option of the camera



720p HD Ready
Camera Remote

Cleaning and Care

Although the Vu TelePresence® system has been designed with the utmost craftsmanship; environmental factors may hinder the performance of the device. To avoid any malfunction from the device, a number of precautions should be taken.

- Unplug the device unit from the electrical outlet before cleaning.
- Clean your device with a soft cloth dampened with water. Do not use liquid or aerosol cleaners, which may contain flammable substances.
- Do not use accessories not recommended by the manufacturers since they may be dangerous.
- Ensure that the contacts between the codec, speakers, microphone and camera are all properly aligned.
- Keep away the device unit from any dusty places to avoid damage to the components.
- Ensure that the cleaning of the camera lens is done periodically.

SAFETY: General

- Do not attempt to service the device yourself unless you are a trained service technician. Always follow installation instructions closely.
- If you use an extension power cable with your AC adapter, ensure that the total ampere rating of the products plugged in to the extension power cable does not exceed the ampere rating of the extension cable.
- Do not push objects into air vents or openings of your device. Doing so can cause fire or electric shock by shorting out interior components.
- Keep your device away from radiators and heat sources. Also, do not block cooling vents. Avoid placing loose papers underneath your device; do not place your device in a closed-in wall unit or on a bed, sofa, or rug.
- To help avoid the potential hazard of electric shock, do not connect or disconnect any cables or perform maintenance or reconfiguration of this product during an electrical storm.
- Do not use your device during an electrical storm.

“With Vu TelePresence®,
the whole world is your office.”

