

AMX/Panja Viewpoint Training Manual Version 2



CILC
Center for Interactive
Learning and Collaboration



V I D E O I M A G E S

AMX/Panja Viewpoint Training Manual

By Video Images Indiana

Revised Edition 2

Table of Contents

Battery Charging.....	2
Getting Started.....	3-4
Muting.....	5
Volume Control.....	5
Button Reference Guide.....	6
Instructor Camera Controls.....	7
Student Camera Controls.....	7
Camera Presets.....	8
Auto Tracking.....	8
Monitor Controls.....	9-10
Picture-In-Picture.....	11
VCR Controls.....	12
Document Camera Controls.....	13
Help Menu.....	14
System Menu.....	15
Cleaning the Touch Overlay.....	17
Storage.....	17
Appendix.....	19

AMX/Panja Viewpoint Training Manual

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Revised Edition 2



The AMX/Panja Viewpoint is the one-way Infrared remote device that controls the audio/visual equipment that comes with the CEC/Vision Athena Distance Learning Package. This device is the next step in the evolution of the distance learning equipment package. This manual will help you with the necessary steps to operate the Vision Athena equipment package.

Charging the Battery

The ViewPort Docking Station provides a built-in battery charger and an angled desk docking station to cradle your ViewPoint touch panel. When a Viewpoint is placed in the docking station's cradle, the ViewPoint makes contact with the charging pins and the docking station supplies power. The docking station also contains a battery compartment to keep your spare battery charged. Status LEDs are located on the bottom front of the docking station. There are three LEDs; yellow indicates a Viewpoint connection to the docking station; red shows a battery being charged in the charging compartment; green indicates that the battery in the charging compartment is fully charged.

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Getting Started

The Viewpoint should be asleep (black screen) when you begin. Touch any area on the touch screen. The Viewpoint will now come on and your ViewPoint touch panel should now be at the last menu screen used.

*If loud noise comes through the speakers immediately after pressing on the touch panel, press the **MUTE REMOTE** button (bottom left external purple button). Remember that you'll need to press it again to hear the audio from the remote site or sites during a connection. If you are using the equipment with no network connection, be sure to press the **MUTE REMOTE** button.*



Turning on the System

Your local video source is what image you are sending out to the other sites connected to your session. Your local video source buttons are located along the left hand side of the touch panel screen. Selecting any source (*blue buttons*) will turn the system on. The system may also be turned on or off by pressing the **SYSTEM** button and pressing the **POWER ON/OFF** button.

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INSTRUCTOR CAMERA: this is the camera usually mounted on the back wall, facing the front of the room. Think of it as the camera facing the instructor as they stand in the front of the room.

STUDENT CAMERA: this is the camera usually sitting on top of the large Sony 53" monitor, facing the back of the room. Think of it as the one pointing toward the students.

DOCUMENT CAMERA: this button selects the Document Camera as the local video source.

VCR: this button selects the VCR as the local video source when the **PLAY** button is pressed.

AUX IN: this button selects the auxiliary video and audio inputs on the rear of the console. This is where other A/V sources or computers (via a scan converter) may be connected.

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Revised Edition 2

Muting buttons: three buttons (**MUTE LOCAL**, **MUTE REMOTE** and **MUTE ALL**) control the audio outputs of the system. Pressing **MUTE LOCAL** (Upper left external purple button) will mute your microphone audio to the remote sights. The word “Muting” will appear on the 53” monitor. Press **MUTE LOCAL** again to turn off.

Pressing **MUTE REMOTE** (Lower left external purple button) will mute the audio being received from the remote sight. Press **MUTE REMOTE** again to turn off.

Pressing **MUTE ALL** will mute local, remote and the speakers’ audio. **MUTE ALL** overrides **MUTE LOCAL** and **MUTE REMOTE**. **MUTE LOCAL** and **MUTE REMOTE** buttons will not function when **MUTE ALL** is on. The word “Muting” will appear on the 53” monitor. Press **MUTE ALL** again to turn off the muting.

Volume Up/Down: The purple buttons on the right side of the ViewPoint touch panel control speaker volume. Pressing the top button will make the volume louder and pressing the bottom button will lower the volume. Best results are achieved by setting the volume just loud enough for everyone to hear comfortably. Turn down the volume if you hear feedback coming from the speakers. If you still hear feedback or a loud echo of your voice, ask any remote sites you are connected with to turn their volume down as well.

AMX/Panja Viewpoint Training Manual

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Button Reference Guide

Blue buttons = Sources

Purple buttons = Audio controls

Yellow buttons = Monitor controls

Green buttons = Utilities/Help



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SOURCE SUBMENUS

Cameras:

When either the **INSTRUCTOR** or **STUDENT CAMERA** buttons are pressed a camera submenu appears.

PAN: *(Directions are from the camera's perspective.)*

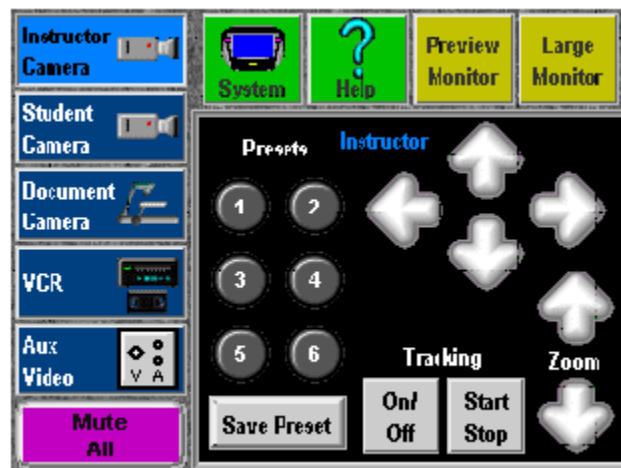
LEFT ARROW - used to pan (turn) camera to the left

RIGHT ARROW-used to pan (turn) camera to the right

TILT:

UP ARROW-tilts the camera up

DOWN ARROW-tilts the camera down



ZOOM:

UP ARROW-zooms the camera in for a closer view

DOWN ARROW-zooms the camera out for a wider view

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HOW TO PRESET A CAMERA POSITION

Adjust the camera position using the **Pan, Tilt and Zoom** controls until you get a properly “framed” view of your room and participants. Using the ViewPoint touch panel, these camera positions can be saved as presets.

1. Frame the camera angle using the ViewPoint controls. Refer to the **Source Submenus** section for directions.
2. Once the position is set, press the **SAVE PRESET** button. The button will turn green when activated.
3. Select a numbered **(1-6)** button to store your preset.

After you have stored the presets, you can recall it anytime by pressing either the **INSTRUCTOR CAMERA** button or **STUDENT CAMERA** button and pressing the corresponding **1-6** button. Presets stay in each camera’s memory until a new camera position is saved for that camera’s preset. Presets are changed by saving a new position into the desired number **(1-6)**.

AUTO TRACKING

The instructor camera and student camera both have auto-tracking capabilities. To use it, complete the following steps.

1. Press the **ON/OFF** button in the tracking menu.
2. Position subject within the white rectangle appearing on the screen. The camera tracks by color. The camera will not detect a white, black or gray shirt.
3. Press the **START/STOP** button. The white box will frame a colored object and a number value will appear on the screen. The higher the number value the easier time the camera will have tracking the objects movements. *If the white box goes full screen, the camera was unable to detect the colored object.*
4. Press the **ON/OFF** button to turn off Auto Tracking.

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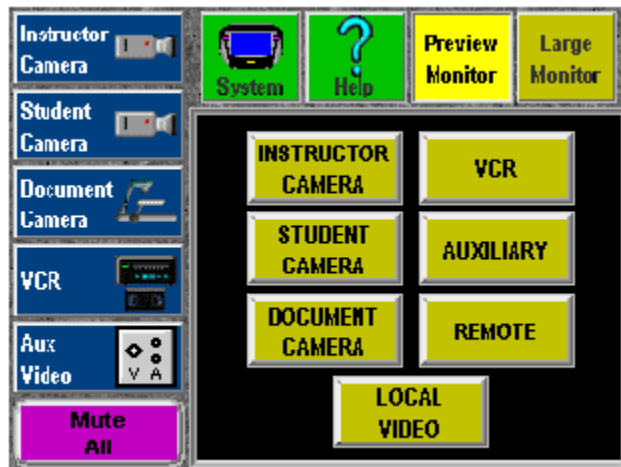
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Monitor controls:

The Preview monitor is the 13” television monitor that is located on top of your workstation console. The large monitor is the 53” Sony television monitor that sits on top of the pedestal.

By pressing the **PREVIEW MONITOR** button you can preview all your video sources. Select which source you would like to preview. (If you select a camera or a VCR, the submenus will appear for each item.)



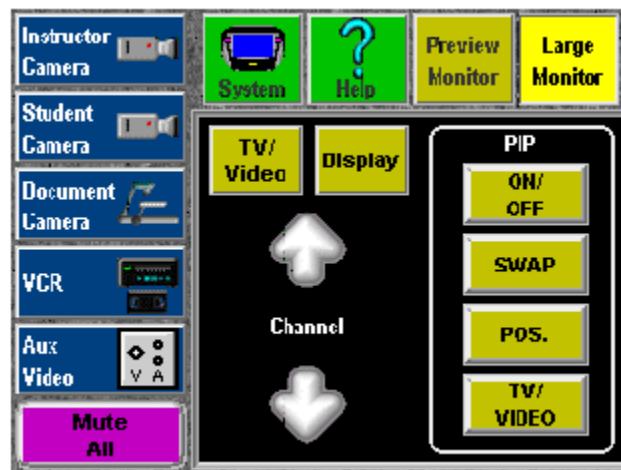
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Pressing the **LARGE MONITOR** button accesses the 53” monitor’s controls. The **LARGE MONITOR** and **PIP** submenus will appear.

The **LARGE MONITOR** menu contains the **TV/VIDEO** button and **DISPLAY** button, as well as the **CHANNEL CONTROL** buttons.



The **TV/VIDEO** button when pressed will toggle through the video inputs. *When connecting to the network, be sure to have the 53” monitor on Video 1.*

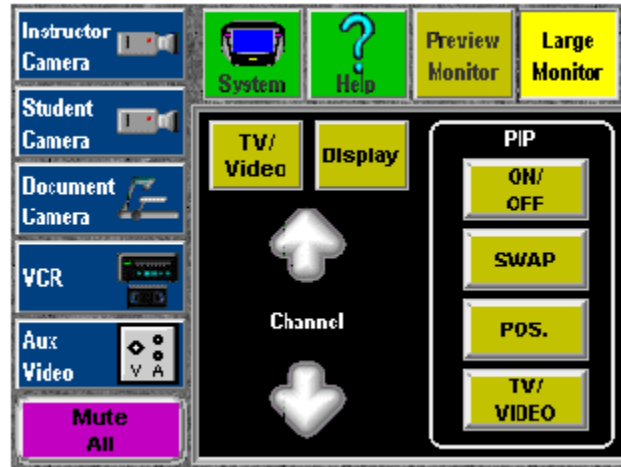
The **DISPLAY** button when pressed will display the video input being used by the big picture and the **PIP**. Pressing **DISPLAY** again will remove the display from the 53” monitor. *Avoid leaving the input display on for extended periods of time.*

The **CHANNEL CONTROL** buttons can be used to select other channels. Press the corresponding arrows to either toggle up or down through the channels.

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Controlling the PIP (Picture in Picture)

The **PIP** submenu contains four buttons. Pressing the **ON/OFF** button will make the **PIP** box appear.

Pressing the **ON/OFF** button a second time will reduce the size of the **PIP**. The **PIP** will disappear if the button is pressed a third time.

Press the **SWAP** button to trade images between the large picture and the **PIP**.

The position of the **PIP** can be moved to any of the other four corners on the 53" monitor by pressing the **POS.** button.

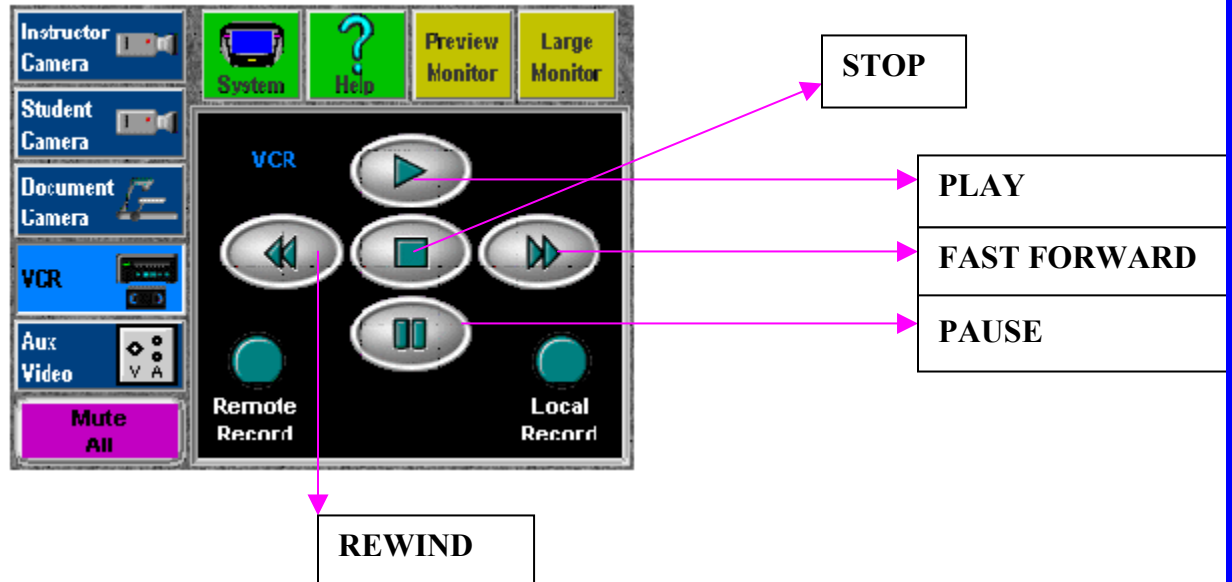
Pressing the **TV/VIDEO** button will toggle you through the available inputs in the **PIP**.

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VCR Controls:



RECORDING AN EVENT

Using the VCR, you may record either the local or remote video source, but not both at the same time. To do this;

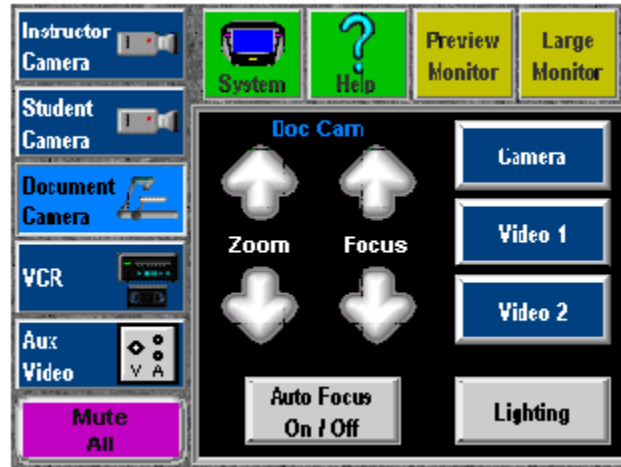
1. Insert a blank videotape into the VCR
2. Press the **VCR** button on the Viewpoint
3. Press either the **REMOTE: RECORD** (to record the remote sight video) or **RECORD: LOCAL** (to record the local sight). Audio is recorded from both locations.

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Document Camera Controls:



ZOOM ARROW DOWN-zoom out

ZOOM ARROW UP-zoom in

FOCUS ARROWS UP & DOWN-adjusts focus

AUTO FOCUS ON/OFF-turns on or off auto focus function

LIGHTING-pressing the **LIGHTING** button once will activate the backlight option. Pressing the **LIGHTING** button again will turn off all lights. A third press on the **LIGHTING** button will return you to the default setting.

CAMERA- selects the document camera as the source (default setting)

VIDEO 1- selects source that is connected to “VID 1” input on the document camera

VIDEO 2-selects source that is connected to “VID 2” input on the document camera.

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HELP MENU

Pressing the **HELP** button will bring up the Video Images Helpdesk screen, which displays the Video Images Helpdesk phone number. Additionally, there are four buttons at the bottom of the screen that provide tips for a successful distance-learning event.



SESSION TIPS-see on screen menu

EQUIPMENT TIPS-see on screen menu

OPERATION TIPS-see on screen menu

EXTERNAL BUTTONS-displays functionality assigned to each external button

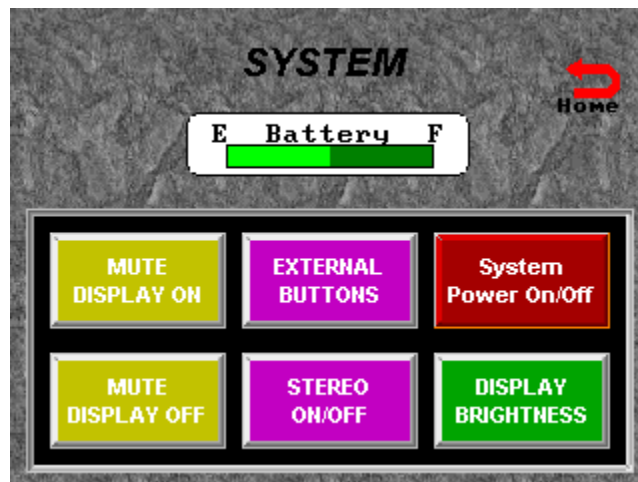
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SYSTEM MENU



The **SYSTEM** button when pressed will display the battery life indicator as well as the following selections:

SYSTEM POWER ON/OFF-turns system power off and on

EXTERNAL BUTTONS-displays functionality assigned to each external button

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MUTE DISPLAY ON-turns on the mute display

MUTE DISPLAY OFF-turns off the mute display

STEREO ON/OFF-turns stereo audio on or off. *This should only be used during a stereo broadcast. If the session is a “mono” broadcast you will loose audio in one speaker.*

BRIGHTNESS-allows for adjustment of brightness and contrast of the Viewpoint touch screen

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Revised Edition 2

CLEANING THE TOUCH OVERLAY

The manufacturer suggests you clean the touch screen overlay after each day's use.

1. Obtain two clean cotton cloths and spray bottle of cleaning solution consisting of 50% isopropyl alcohol and 50% water.
2. Spray a small amount of the cleaning solution onto one of the cloths.
3. Clean touch panel overlay with the damp cloth.
4. Wipe touch panel overlay with the dry cloth.

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STORAGE

If you are not going to use your Viewpoint for several weeks, it is recommended that you leave it out of the charging cradle. When you are ready to use it again, place the Viewpoint back in the recharging cradle for 5-6 hours for a full charge.

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Video Images Helpdesk Technical Tips – August 2000

Viewpoint Training Manual Appendix

VIEWPOINT BATTERY INFORMATION.

Battery Type:

- Your Viewpoint has two plug-in high-power, rechargeable **NiMH (Nickel Metal Hydride)** battery packs. This type of battery resists developing a “memory”.
- Each fully charged battery pack can deliver “up to 6 hours of non-stop operation” according to the manufacturer, PANJA / AMX.

Recharging:

- When cradled on the **docking station** the battery inside the Viewpoint will “trickle charge” in a charging cycle of 20 hours after which it stops charging the battery regardless of the power level.
- When the Viewpoint is removed from the docking station the **spare battery** will rapidly recharge in four hours.
- If a Viewpoint is cradled on the docking station the spare battery located inside the docking station stops recharging.
- **TIP:** If your Viewpoint becomes unresponsive, locks up, or seems to be sending a weak control signal to your system --- swap the battery in your viewpoint for the fully charged spare battery stored in the docking station.

The Three Docking Station Lights (LEDs):

- YELLOW = a Viewpoint is properly connected to the docking station.
- RED = a battery is being charged inside the docking station.
- GREEN = the battery inside the docking station is fully charged.

Viewpoint Storage Tip:

- If you are going to store your viewpoint for several weeks it is recommended that you leave it out of the docking station. Before you use it again, place the Viewpoint back into its docking station for at least 5 to 6 hours.
-

WHAT TO DO IF YOUR LARGE SCREEN MUTE DISPLAY IS OUT OF SYNC WITH THE SYSTEM:

(**CAUSE:** The problem occurs because your Viewpoint sends out a control signal but does not receive any kind of signal back from the system. There is no means for the control system to detect if the MUTE display is on or off. If your MUTE LOCAL function is quickly activated more than once the system and the display may get out of sync.)

1. Press the MUTE ALL button on your Viewpoint until the eight vertical green mic lights on your Gentner AP-800 are off. When they are off your system is off of mute.
2. Get the small remote control that came with your Sony 53” TV Monitor. Use the mute button on it to take the MUTE display off of your large monitor.
3. Now your system and large monitor display should be in sync.