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User's Guide

HallVision™

By: Hall Research Technologies



Courtroom Evidence Presentation System

Prepared for:

United States District Court, Spokane, WA.

Thomas S. Foley United States Courthouse, 22 January 2003

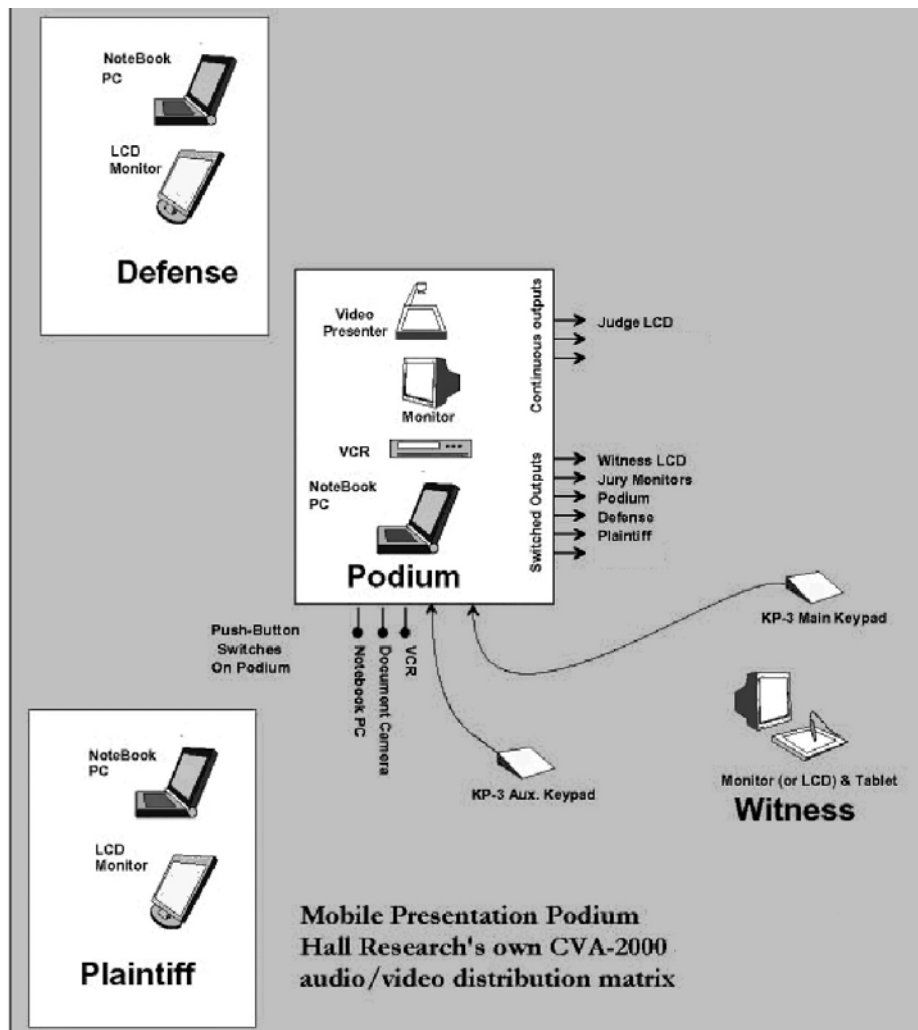
UMA1042 Rev. n/c

Benefits

- Efficient, timely, and clear presentation of evidence and instruction
- Enhanced comprehension of difficult concepts by participants
- Reduced trial times and associated costs
- Selective broadcast of video evidence for review by the judge prior to displaying for the witness, jury or gallery
- Remote appearances and testimony of " virtual witness" with video conferencing
- Ability to highlight and draw on the video image by the attorneys and witness
- Powerful means to exhibit and present digital records compiled by the counsel including charts, photographs, and computer animations
- Reduced courtroom clutter
- Quick to setup and easy to use

Video Distribution Concept





Sources of Video Signals

There are 3 locations where sources of video signal can exit; they are: Defense table , Plaintiff table, and Podium.

The selection of these 3 main locations is made from one of two KP-3 Keypads. The video sources within each location subsequently are selected at each location itself.

A. Podium

- Document Camera
- Notebook PC
- VCR
- Audio Cassette
- Video Conferencing

B. Defense Table (Attorney #1)

- Notebook PC
- Document Camera (optional)

C. Plaintiff Table (Attorney #2)

- Notebook PC
- Document Camera (optional)

Destinations of Video Signals

The selected video evidence can be displayed at various locations. The video at each destination can be independently turned on or off. The on/off selection of these outputs is also made using either of two KP-3 keypads.

- Output 1 selects the monitors for Attorney #1
- Output 2 selects the monitors for Attorney #2
- Output 3 selects the monitors for the Reporter, Judge, and Clerk
- Output 4 selects the monitors for the Jury
- Output 5 selects the monitor for the witness
- Output 6 selects the monitors for the gallery

The selected video is also continuously displayed at the podium and is available at the Video Conferencing System.

The Same keypad features a CLEAR button to “kill” the video output at the above 6 locations with one push of a button.

The Podium Features “Preview Mode” described later in this document





Model KP-3 Main Control Keypad



Podium's Built-in Keypad and Notebook A/V Connectors

Detailed Description

The HallVision system can receive video and audio inputs from a number of inputs. These inputs can be from the Podium, Attorney #1, or Attorney #2. Any audio input the HallVision system receives will be output on one audio out line. This single audio out line will be connected to the courtroom's sound system. The Video Conferencing system's video output is available for selection at the podium.

There are 2 touch screens in the HallVision system. 1 touch screen is mounted in the Podium and the other is in the Witness stand.

An integrated Video Marking System allows the touch screens to be used for drawing on top of any image being shown.

Both touch screens can superimpose finger drawings over any video signal including: VCR, Document Camera, Podium notebook, either Attorney notebook, and Video Conferencing.

The touch screen that controls the drawing, on top of the video signal, is the first touch screen that is touched. This becomes the active touch screen. Until the active touch screen is not being touched, the other touch screen cannot superimpose anything on top of the video signal. The instant the active touch screen is no longer being touched; the other touch screen can begin drawing on the video signal and will then become the active touch screen automatically.

KP-3 Main Control Keypad

There are 2 HallVision keypads. When a button is pressed on one keypad and the LED lights up, the corresponding LED lights up on the other keypad.

Control of the HallVision system begins with the two HallVision keypads. Keys A, B, and C select the inputs to the HallVision system. Only 1 input can be selected at any given time.

- Input A selects the Podium as the input source
- Input B selects Attorney #1
- Input C selects Attorney #2

Keys 1, 2, 3, 4, 5, and 6 select the outputs of the HallVision system. When the LED above the key is selected, then the corresponding output is turned on. Any number and arrangement of outputs can be turned on or off at any given time.

- Output 1 selects the monitors for Attorney #1
- Output 2 selects the monitors for Attorney #2
- Output 3 selects the monitors for the Reporter, Judge, and Clerk
- Output 4 selects the monitors for the Jury
- Output 5 selects the monitor for the witness
- Output 6 selects the monitors for the gallery

The Clear button terminates all 6 outputs immediately and terminates the audio output from the HallVision system.

Podium Control Keypad

Only keys 1, 2, 3, 4, 5, 6, and 7 are active. Keys 8, 9, and 10 do nothing.

Keys 1, 2, 3, and 4 select the input source from the Podium. Only 1 of these 4 inputs can be selected at any given time.

- Key 1 selects the Document Camera
- Key 2 selects the Notebook connection
- Key 3 selects the VCR
- Key 4 selects the Audio Cassette
- Key 5 is Video Conferencing.
- Key 6 is Preview mode
- Key 7 is the Pink Noise Generator.

Preview Mode

In Preview Mode, when the LED above 6 is on, output from the Podium is turned off. Only the monitor at the Podium will see the output. When the LED above 6 is off, the Podium is not in Preview mode and the Podium is sending an output to the HallVision system that is controlled by the HallVision keypads discussed earlier.

Pink Noise Generator

When the LED above 7 is on, pink noise will be transmitted to the Jury through their monitors. When the LED above 7 is off, pink noise being transmitted to the Jury will be terminated.

Video Conferencing

Video Conferencing is selected via key # 5. When Video Conferencing input is selected the courtroom LCD's will show the image from the VC system. This signal is usually from a camera at the remote location. The VC system can be setup to show the image that is being transmitted from the local station to the remote station in a smaller window in a "Picture-in-Picture" format.

Selection of the video signal that will be sent to the remote site

The image that the Video Conferencing system will transmit to the remote site can be one of three inputs that is easily selected using the Video Conferencing's own IR remote control.

They are:

- Camera #1
- Camera #2
- Courtroom Evidence being presented by the HallVision system