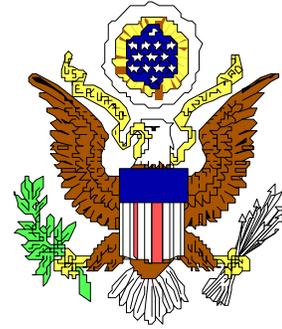


United States Bankruptcy Court
Northern District of Mississippi



DEPS

Digital Evidence Presentation System



FEATURES AND OPERATIONS GUIDE

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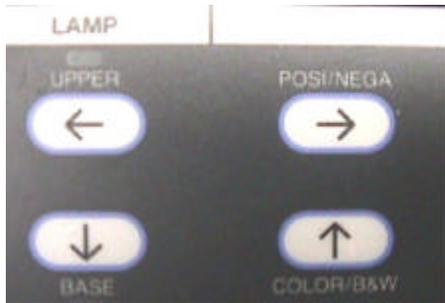
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DOAR Communicator

FEATURES

- Two high resolution cameras
- Motorized zoom lens on document camera
- Single-button autofocusing system
- Extension cable allows sub-camera to be used as a movable video camera
- Front panel control interface for simple operation
- Upper and lower lighting units for displaying both opaque and transparent materials



DOAR Communicator Front Panel Control

- Upper & base lighting
- Positive/Negative toggle
- Color/B&W Selection

Upper & Base lighting buttons

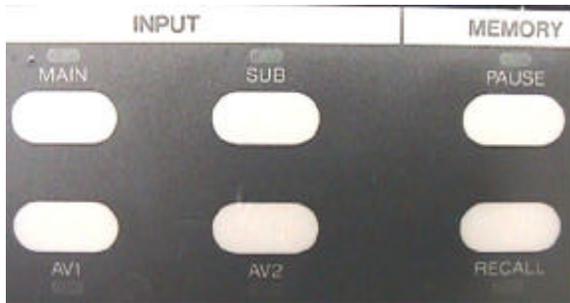
- A press of a button will turn on/off the desired lamp.
- Only one lighting source can be “on” at the same time. (e.g. If the upper lamps are on when the base button is pressed, they will toggle off automatically prior to base illumination.)
- When using transparencies, film, etc. be sure to use the lower lamp so that proper illumination will occur.
- The lamps are fluorescent and will require a second or so to power on after pressing either button.

Positive/Negative toggle

- This feature will permit the display of a film negative as though it were a photograph or slide.
- When using this function, please allow a member of the court staff to assist in fine tuning your negative’s appearance.
- Note that this button toggles between positive and negative mode when pressed
- Also, the base lamp will **not** automatically come on when the positive/negative button is pressed.

Color/B&W toggles between the display of color and black & white. This function is rarely needed. The default mode is color.

Note: These four buttons each contain an arrow. The arrows are used for internal configuration of the system and have no significance during courtroom operation. Ignore them.



DOAR Communicator Front Panel Control

- MAIN, SUB, AV1, & AV2 inputs
- Pause & Recall memory functions

MAIN, SUB, AV1, & AV2 inputs

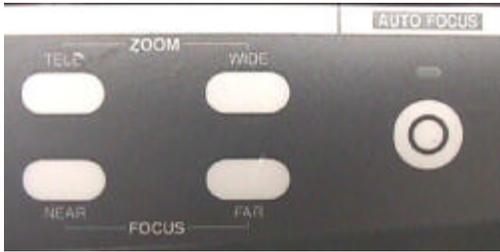
- The communicator has two cameras and two auxiliary audio/video jacks on the back of the unit. These four buttons tell the Communicator which image to display on the courtroom monitors
- Press the MAIN button to select the over-document camera, or the SUB button for the smaller, “free style” camera.
- AV1 & AV2 select which auxiliary input is to be displayed. *Examples of auxiliary inputs include a DVD player, another video camera or VCR, digital microscope, etc.*

Pause function

- When pressed this button will “freeze” the document camera image on the courtroom displays thus permitting the document to be removed from the base without such movements being seen.
- This feature is available only when the MAIN input is selected.
- Press the pause button a second time to return to “live” display.

Recall button

- This feature is currently not used



DOAR Communicator

Front Panel Control

- Zoom: Telephoto & Wide
- AutoFocus & Manual Focus
- *Note that these buttons are active only when the MAIN input is selected.*

Zoom: Telephoto & Wide

- These two buttons are probably the most important and most frequently used controls on the Communicator's panel.
- *Telephoto* brings the object being displayed closer. As the camera zooms in, some repositioning of the object will be required so that the desired area of interest is displayed.
- *Wide* adjusts the lens so that more of the object is displayed. This is sometimes referred to as "zooming out."
- Any button can either be held down for quick operation or tapped repeatedly for more accurate control.
- Note that while using either zoom feature, the focus of the image may become blurred. This is normal. When the desired zoom level is reached, press the Autofocus button.

AutoFocus

- A single press of this button will automatically bring the document or object being displayed into sharp focus.
- An unusual three-dimensional object may not focus properly on every detail when a close zoom is used. Use the *near* & *far* buttons to focus on the desired area.

Menu

- The menu button should be used *only by court staff*. This feature facilitates technical setup of the Communicator.





DOAR Communicator Sub-camera

To operate the Sub-Camera

- Open the cover of the sub-camera storage. Raise the sub-camera by pulling the lens gently upwards.
- Press the SUB input button to select the sub-camera mode.
- Turn the blue iris ring to adjust the brightness, and turn the black camera lens housing to adjust the focus.
- Adjust the angle of the camera while viewing one of the courtroom displays.
- To return to storage, gently lower the camera by pushing down on the body, and close the cover.

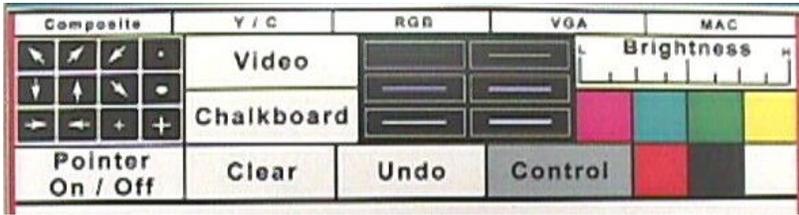
Press the MAIN button to switch back to the document camera.

To remove the sub-camera from the holding bracket and move about freely, have a courtroom staff member assist as an extra cable is required.



DOAR Illustrator FEATURES

- Annotate any image displayed on the courtroom monitors
- Draw from the lectern, have a witness use the light pen at the witness monitor, or both
- Draw freehand or “drop” multiple pointers on an image.
- Undo mistakes or clear all notes with a single click
- Change line color, style, brightness, pointer shape, and other features with a single click of the pen.
- Bluescreen chalkboard feature for sketching without using the document camera or other video source
- Print the annotation for easy referral later. Just place the printout on the document camera for quick display on courtroom monitors, and without the need to reannotate.
- Easy to learn. Only takes a few minutes on the more advanced lectern unit. The witness unit is even easier.



DOAR Illustrator

To draw a line:

While looking at a monitor, gently press the tip button of the pen onto the tablet writing area and draw the desired object.

To change color, line thickness, brightness, or pointer:

Gently press the tip button of the pen on the desired color box, line thickness, brightness, or pointer and then draw on the tablet's designated area

To place a pointer:

Gently press the tip button on the writing area and press the pen's barrel button.

To erase the most recent drawing:

Gently press the tip button of the pen on the *UNDO* box

To erase all drawings at once:

Gently press the tip button of the pen on the *CLEAR* box

Please do not utilize the CONTROL box. Court staff use only.



Note the second button on the pen is not used.



DOAR Illustrator

WITNESS LIGHT PEN

Another component of the DOAR Illustrator is the witness light pen. This unit functions in much the same manner as the stylus at the lectern, except there is no tablet. Instead, the witness draws on the screen with the pen.

The lectern stylus and the witness pen can both annotate in near simultaneous fashion. There are several functions that can, but are not required to be performed by the witness as outlined below. Note, however, that each of the witness functions can be performed for the witness from the lectern unit.

The following steps require the pen to touch the screen:

- To draw a line or other shape, press the pen firmly against the screen on the area desired and drag to draw the shape.
- To change the drawing color, tap the screen quickly while holding the barrel button, then release the barrel button.

Do not touch the screen with the pen during the following steps

- To erase (undo) the last mark, tap the barrel button once.
- To clear all marks, press and hold the barrel button until all annotations are cleared.

Caution: Any DOAR Illustrator function performed at the lectern tablet will affect the witness annotation as well. (clear, undo, brightness, etc)



Integrated S-VHS VCR

FEATURES & OPERATION

FEATURES

- Plays S-VHS or VHS tapes.
- Crystal clear S-VHS image when paused.
- Advances forward or backward frame-by-frame by turning the thumbwheel (a.k.a. jog dial)
- All standard functions controlled by wireless touchscreen remote (except jog function)
- Annotate with DOAR Illustrator as with any other video input.

Simple steps for viewing a video tape

- Press Current Source, then VCR on the touchscreen remote
- Make sure VCR power is on
- Insert a video tape into the VCR
- Press **play** either on the VCR or the touchscreen remote



- *To advance one frame at a time while tape is playing, press the **pause** button, then, spin the **jog** dial (thumb-wheel) to the right one frame a time.*
-OR-
 - *To view the tape in slow motion while tape is playing, press the **pause** button, then turn the **shuttle** dial to the right and hold it for the desired duration.*
- *To resume normal tape play, press **pause** a second time.*

NOTE: The shuttle dial surrounds the jog dial
Also note that the VCR only **plays** tapes. It does not record.



DOAR Wireless Touchscreen Remote

FEATURES & OPERATION

The remote for the Digital Evidence Presentation System (DEPS) is sophisticated, yet simple. It looks like a small television screen and is operated by the touch of a finger. The wireless feature operates with radio frequency technology which means it can be operated from anywhere in the courtroom.

In the upper right corner of the touchscreen are two buttons labeled Publish and Unpublish. These buttons turn on (publish) or off (unpublish) all of the monitors in the courtroom except for the one on the Judge's bench which remains visible at all times.

In the upper left corner there is a button labeled Current Source. There are four sources of video input into the DEPS- the document camera, the VCR, laptop computer, and auxilliary. Typically, only the first three will be used. If the Current Source button is pressed, the touchscreen changes to allow the selection of one of the four inputs. Simply touch the desired source and the DEPS instantly switches to it and the touchscreen reverts back to it's previous state.

Along the bottom are five keys that control the integrated VCR. These are much like a remote found on a home VCR. *Note the absence of a Record button since the VCR is not configured for recording.*

The center button signals the Video Image Printer to start. By touching this button, whatever image is on the courtroom displays will be printed on the Video Image Printer. Be careful to press it only once! The printer paper is not free. Also, don't hit this button repeatedly. Wait for the video image printer to finish it's task.



Video Image Printer

FEATURES AND OPERATIONS

- The integrated Video Image Printer provides hard copy of courtroom displays. It is perhaps the easiest component to operate requiring only a single touch of the remote control.
- While the printer has several controls on its panel, always use the remote control to avoid misconfigurations.
- Within about 60 seconds of pressing the print button a color hard copy be rendered.
- It is best to wait until the printout is complete before operating the print function again. Otherwise, undesired multiple copies can result.
- After a hard copy is retrieved, it can be placed on the Communicator base and redisplayed. This is particularly useful when redisplay of an annotation is desired.



LAPTOP Computer Display on the DEPS

FEATURES AND REQUIREMENTS

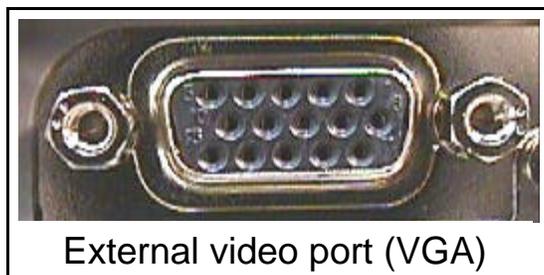
The DEPS has the ability to display on all monitors the output from nearly any laptop computer.

The laptop **must** have an external video port for proper courtroom display. (see picture below) The DEPS has a permanent cable connected that permits easy laptop hookup right at the lectern.

While usually a simple task, laptop display does require knowledge of some technical information:

- Optimal DEPS display is achieved with a laptop display setting of 800 by 600 pixels. Check laptop documentation for more information.
- The method used to switch between internal and external video display must be known. This is typically facilitated with a special sequence of keystrokes. Check laptop documentation for more information.

Most laptops have a maximum sustained battery time of less than 2 hours before requiring a recharge. Therefore, it is best to bring the appropriate cable for electrical hookup. There is a spare power outlet on the back of the Communicator for this purpose.



External video port (VGA)