

Smart Document Camera 280™

- The Smart Document Camera 280™ unit has several parts which are described below.
 - The camera is located on the Camera Bar (horizontal) which is mounted to a Camera Column (vertical) attached to the Base.
 - The Camera Bar consists of several pre-assembled parts.
 - Camera Head (mounted on the Camera Bar)
 - Illumination Lamp Switch (located on the Camera Head)
 - Zoom Dial (located near the end of the Camera Bar away from the camera)
 - Adjust Focus (AF) Button (located at the outside end of the Camera Bar away from the camera)
 - The Camera Bar is connected to the Camera Column which is attached to the Base.
 - These parts are connected to each other and are not to be taken apart.
 - The Base has several components.
 - Important Orientation Note: The location of the Base components are explained with the Base unit oriented with the Camera Column located toward the operator—this is the front of the Base unit. The Control Panel labels should be viewed/read normally/right-side-up easily from this orientation.
 - Moving the Camera Column
 - Do not try to position the Camera Bar or Camera Column beyond the limits noted below.
 - The Camera Column may be moved horizontally only one way—left—toward the Control Panel up to 180 degrees.
 - The Camera Column may be moved vertically only one way—backward—toward the user up to about 45 degrees.
 - Moving the Camera Bar
 - The Camera Bar may be moved under/toward the user just a little more than 90 degrees.
 - Control Panel (located on the top of the Base)
 - This set of buttons control the Power, Image Save, Menu, Direction Buttons, Brightness Level, Camera, Secure Digital Card (SD) Mode, and Personal Computer (PC).
 - Side Panel (located on the left side of the Base)
 - This panel has the SD Card Slot.
 - Rear Panel
 - This panel has several plugs.
 - The power transformer unit port (DC In 12V).
 - The VGA cable port (RGB Out) for connection to a digital projector.
 - The VGA cable port (RGB In) for connection from a computer.
 - The RCA port (Video Out) port for connection with a monitor/TV screen.
 - The RGB Video/NTSC Pal Output port.
 - The USB cable connector port for connection to a computer.
 - Stage Positioning (a corner of the base against which the Stage may be placed for better alignment with the camera)
 - The unit comes with several cords.
 - Power Cord (black)

- This cord is should be connected to the Power Transformer Block.
 - Power Transformer Block Cord (black)
 - This cord is already permanently attached to the Power Transformer Block.
 - VGA Cord (black)
 - This cord should be connected between the Smart Document Camera 280™ unit and the computer.
 - USB Cord (gray)
 - This cord should be connected between the Smart Document Camera 280™ unit and the computer's USB port if needed to transmit image data between the computer and the Smart Document Camera 280™.
- The unit comes with several accessories.
 - Stage (a hard-surface that is positioned under the camera and is used to support the materials to be viewed)
 - The Stage is positioned against the Base for proper alignment with the camera)
 - Magnetic Sheet (a magnetic strip that is used to secure a document to the Stage)
 - Anti-Glare Sheet (a thin translucent sheet of material used to reduce glare when an object on the Stage is viewed)
- The following instructions explain how to connect the unit with its cables and connectors to a digital projector.
 - Plug in the computer and make sure that it is turned on and working.
 - Plug in the digital projector and make sure that it is turned on and working.
 - Make sure that the projector is projecting the computer screen image that is currently on your computer's desktop.
 - Rear Panel
 - Plug the power cord into the power transformer unit (block) if it is not already attached.
 - Plug the other end of the power transformer (block) into the DC In 12V port (a red light should now be lit around the Power button on the Control Panel). Note that the unit is not turned on yet.
 - Plug the VGA cable from the digital projector (or Smart Board™) into the VGA cable port (RGB Out).
 - Plug the VGA cable from the computer into the VGA cable port (RGB In).
 - Orient the Smart Document Camera 280™ unit where you will be comfortable using it.
 - Press the Power button to turn on the Smart Document Camera 280™ unit (a green light should now be lit around the Power button on the Control Panel).
 - You should now be able to see the image that the camera lens is capturing on the projection screen (or Smart Board™).
 - Place the Stage adjacent to the Base within range of the camera lens.
 - Place the document that you want to display on the Stage.
 - Adjust the Camera Column and Camera Bar so that the document is within view of the camera.
 - Adjust the Zoom Dial and use the Adjust Focus (AF) Button to ensure that the lens is focused correctly for displaying the document.
 - Your document should now be displayed clearly on the projection screen (or Smart Board™).

- Press the PC Button on the Base if you want to display the computer screen on the projection screen (or Smart Board™).
 - When you are finished using the Smart Document Camera 280™ unit, hold the Power Button down until the green light turns red.
- The USB cable may be plugged into the USB cable connector port on the Base and into a USB port on the computer for connection between the computer and the Smart Document Camera 280™ unit.
 - When this cable is used, images stored on the SD card in the Base may be transferred between the SD Card and the computer.
 - An SD Card may be used to store images taken using the Smart Document Camera 280™ unit camera.