

Operations Manual



USDC OHIO

Project # 10-E13-114

United States District Court

Northern District of Ohio

Courtroom 351

125 Market Street

Youngstown, Ohio

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Courtroom Audio Visual System

System Overview

The US District Courtroom in Youngstown was upgraded with new digital audio system components, video system upgrade to include a new Evidence Presentation System (EPS) Cart, LCD monitors, and Crestron control programming. Specific components of the new AV System include the following:

EPS A/V Sources

The Evidence Presentation System contains the following A/V Sources located in the EPS cart:

1. Document Camera
2. DVD/VCR Combo
3. CD / Cassette Combo
4. Laptop A/V Input
5. Additional Aux Video Input

There are additional input sources provided in the courtroom. These include:

1. Judge's PC input
2. CRD PC input
3. Witness Laptop input – Witness Document Camera
4. Defense table laptop input
5. Prosecution table laptop input
6. Video Teleconference System

All sources can be selected and controlled from either the Judge or Courtroom Deputy's (CRD) Crestron control panels or through the Xpanel application. The EPS cart also has a Crestron control panel, but it is limited to only those sources available at the Cart location and the Attorney Table PCs.

Annotation System

The Annotation System is composed of:

1. Touch Screen Monitors at Judge, Witness, and Cart locations.
2. Direct on screen annotation / drawing capability in multiple colors (use finger for annotation).
3. Ability to change annotation colors, clear-all, undo from corners of screen and Clear-all

Videoconferencing System

The video conferencing system is a GFE VSX8000 unit located in the main equipment rack. Provisions for operation have been made through the control system via the Touch Panels, which emulate the IR remote control.

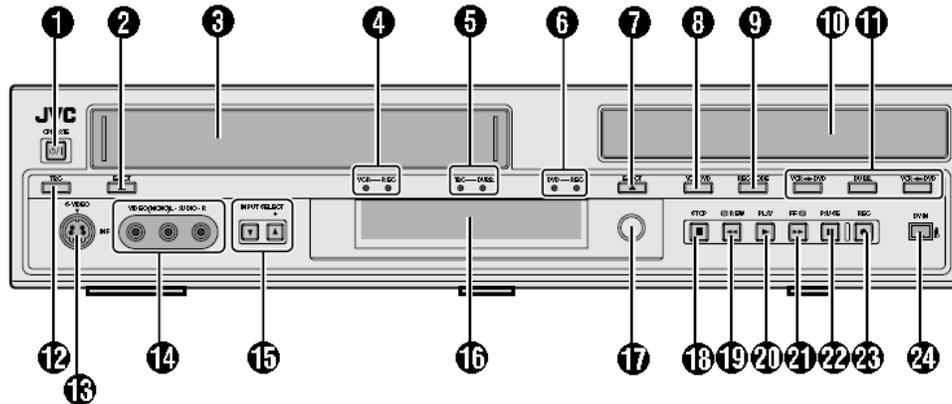
Control System Devices

1. 10" Crestron color touch panel at the Judge location
2. 10" Crestron color touch panel at the CRD location
3. 6" color touch panel at Cart
4. Xpanel computer application

Front Panel Controls of A/V Sources

The majority of the functionality of each A/V Source is contained within the Crestron control system and can be controlled from the appropriate Crestron control panels. This section provides a brief overview of the front panel controls on the A/V Sources. Complete user and troubleshooting manuals are provided for each device in PDF form on the accompanying CD.

DVD/VCR Combo (JVC)

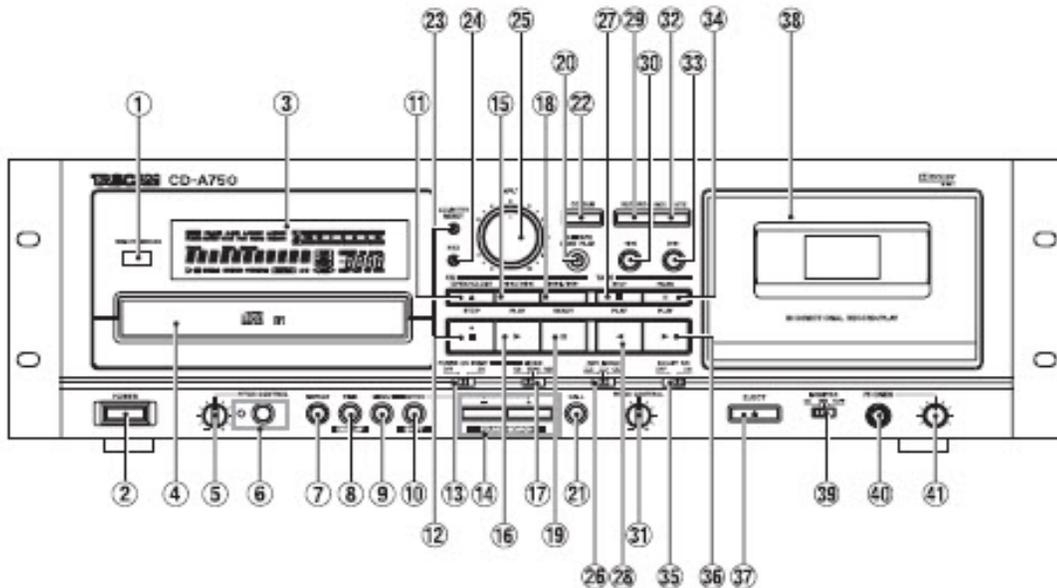


- ❶ Operate Button (OPERATE ϕ /I)
- ❷ Eject Button (EJECT \blacktriangle)(VCR) \hookrightarrow pg. 33
- ❸ Cassette Loading Slot
- ❹ VCR Lamp \hookrightarrow pg. 33
VCR Recording Lamp (REC) \hookrightarrow pg. 36
- ❺ TBC Lamp \hookrightarrow pg. 35
Dubbing Lamp (DUBB.) \hookrightarrow pg. 46
- ❻ DVD Lamp (DVD) \hookrightarrow pg. 17, 20
DVD Recording Lamp (REC) \hookrightarrow pg. 36
- ❼ Open/Close Button (EJECT \blacktriangle)(DVD) \hookrightarrow pg. 10
- ❽ VCR/DVD Button
- ❾ Recording Mode Button (REC MODE) \hookrightarrow pg. 36
- ❿ Disc Tray
- ⓫ Dubbing Button (DUBB.) \hookrightarrow pg. 46
Dubbing Direction Button (VCR \rightarrow DVD/VCR \leftarrow DVD)
 \hookrightarrow pg. 46, 48
- ⓬ TBC Button \hookrightarrow pg. 35
- ⓭ S-video Input Connectors (S-VIDEO IN F-1) \hookrightarrow pg. 52
- ⓮ Video/Audio Input Connectors (VIDEO/AUDIO (L/R) IN F-1) \hookrightarrow pg. 52
When using a monaural audio cable, use [AUDIO L (MONO)] input connector. In this case, the sound on the left channel is also recorded on the right channel.
- ❶❶ Input Select Button (INPUT SELECT +/-) \hookrightarrow pg. 35, 36
- ❶❷ Front Display Panel \hookrightarrow pg. 13
- ❶❸ Infrared Beam Receiving Window
- ❶❹ Stop Button (\blacksquare) \hookrightarrow pg. 20, 33
- ❶❺ Reverse Search Button ($\blacktriangleleft\blacktriangleleft$) \hookrightarrow pg. 21, 27, 34
Rewind Button ($\blacktriangleleft\blacktriangleleft$) (VCR deck) \hookrightarrow pg. 33
Reverse Slow Button (SLOW -) \hookrightarrow pg. 22
- ❶❻ Play Button (\blacktriangleright) \hookrightarrow pg. 20, 33
- ❶❼ Forward Search Button ($\blacktriangleright\blacktriangleright$) \hookrightarrow pg. 21, 27, 34
Fast Forward Button ($\blacktriangleright\blacktriangleright$) (VCR deck) \hookrightarrow pg. 33
Forward Slow Button (SLOW +) \hookrightarrow pg. 22
- ❶❽ Pause Button (\parallel) \hookrightarrow pg. 20, 34
- ❶❾ Record Button (\bullet) \hookrightarrow pg. 36
- ❶❿ DV Input connector [DV IN (i*)] (DVD deck only)
 \hookrightarrow pg. 51
* i (i.Link) refers to the IEEE1394-1995 industry specification and extensions thereof. The i logo is used for products compliant with the i.Link standard.

The page numbers above refer you to the appropriate page within the JVC Users Manual.

: DN-T645 only
 : DN-T645 uniquement
 : DN-T645 sólo

Front panel



- ① Remote sensor
Signals from the included wireless remote control (RC-A550) are received here. When using the remote control, point it towards this sensor.
- ② POWER button
Use to turn the unit's power ON and OFF.
- ③ Display
Shows the transport status, currently selected input source, record and playback signal levels, menus, etc.
- CD section**
- ④ Disc tray
Press the OPEN/CLOSE key to open the disc tray and insert and remove discs. Press the OPEN/CLOSE key again to close the disc tray.
- ⑤ PITCH CONTROL knob
Use to adjust the playback pitch of a CD. (See "Pitch control" on page 31.)
- ⑥ PITCH CONTROL key/indicator
Use this key to turn the CD pitch control function ON and OFF. (See "Pitch control" on page 31.) The indicator lights when ON.
- ⑦ REPEAT key
Press to turn the repeat playback function ON and OFF. (See "Repeat playback" on page 30.)
- ⑧ TIME/DISPLAY key
When the playback time is displayed, press this key to cycle the playback time display mode through track elapsed time, track remaining time and total remaining time. When text information is displayed, press this key to switch to playback time display. (See "Playback time display mode" on page 29.)
- ⑨ MENU key
When in standard display mode, press this key to switch to menu mode, which allows menu items to be selected. When in menu item selection mode, press this to return to the standard display mode. When editing a menu item, press this key to return to menu item selection display. (See "Menu" on page 17.)
- ⑩ ENTER/SHIFT key
When in menu mode, press this to make a selection or confirm a setting. When not in menu mode, this functions as the SHIFT key.
- ⑪ OPEN/CLOSE key
Press to open and close the disc tray.
- ⑫ STOP key
Press to stop CD playback.

- ⑬ **POWER ON START switch**
Turn the power-on start function ON and OFF. (See "Power-on start" on page 43.)
- ⑭ **-/+/ FOLDER SEARCH keys**
When in menu mode, use these to make selections and settings.

When a data CD is loaded, use these keys while holding down the SHIFT key to change the current folder. (See "Folder playback (data CDs only)" on page 25.)
- ⑮ **◀◀/▶▶ key**
Press briefly to skip to the previous track.

Press and hold to search backwards.
- ⑯ **PLAY key**
When stopped or paused, press to start CD playback.
- ⑰ **MODE switch**
Set the power-on start mode to CD playback, cassette tape playback or cassette tape record. (See "Power-on start" on page 43.)
- ⑱ **▶▶/▶▶ key**
Press briefly to skip to the next track.

Press and hold to search forwards.
- ⑲ **READY key**
Press to pause CD playback.
- ⑳ **CD-TAPE CONT PLAY key**
Press to turn the cassette tape and CD continuous playback mode ON and OFF. (See "Continuous playback of both the CD and the tape" on page 42.)
- ㉑ **CALL key**
Press to pause playback and return to the point where playback was last started from a paused state. (See "Call function" on page 33.)
- ㉒ **CD DUB key**
Press to record (dub) the CD playback sound to a cassette tape. (See "Dubbing a CD to a tape" on page 39.)

Cassette tape section

- ㉓ **COUNTER RESET key**
Press to reset the tape counter to "0000."
- ㉔ **RTZ key**
Press to return the cassette tape playback position to the counter zero point (0000).
- ㉕ **INPUT knob**
Adjusts the cassette tape record level. (See "Recording" on page 39.)
- ㉖ **REV MODE switch**
Use to set the tape playback mode to one-way (◀▶), both directions (◀▶) or continuous (◀▶). (See "Selecting the reverse mode" on page 35.) When recording, the unit records only once in both directions even if set to continuous (◀▶). (See "Selecting the reverse mode" on page 38.)
- ㉗ **STOP key**
Press to stop the cassette tape.
- ㉘ **PLAY [◀] key**
Press to play a cassette tape in the reverse direction.

When the unit is record ready or playback is paused, recording or playback starts.

However, if you press this key when playback is paused in the forward direction, playback is paused in the reverse direction.
- ㉙ **RECORD key**
Puts the cassette tape into record ready status.
- ㉚ **◀◀ key**
Press to rewind the cassette tape.
- ㉛ **PITCH CONTROL knob**
Use to adjust the cassette tape playback pitch (±10%). (See "Pitch control" on page 37.)
- ㉜ **REC MUTE key**
Press during recording to put the unit into record ready status after recording about four seconds of silence. (See "Recording mute function" on page 39.)
- ㉝ **▶▶ key**
Press to fast-forward the cassette tape.
- ㉞ **PAUSE key**
Press to pause cassette tape playback or recording.

When the unit is record ready or playback is paused, press to start recording or playback.
- ㉟ **DOLBY NR switch**
Use to turn Dolby B noise reduction ON and OFF for cassette tape playback and recording. (See "Turning Dolby NR ON and OFF during playback" on page 35 and "Turning Dolby NR ON and OFF during recording" on page 38.)
- ㊱ **PLAY [▶] key**
Press to play a cassette tape in the forward direction.

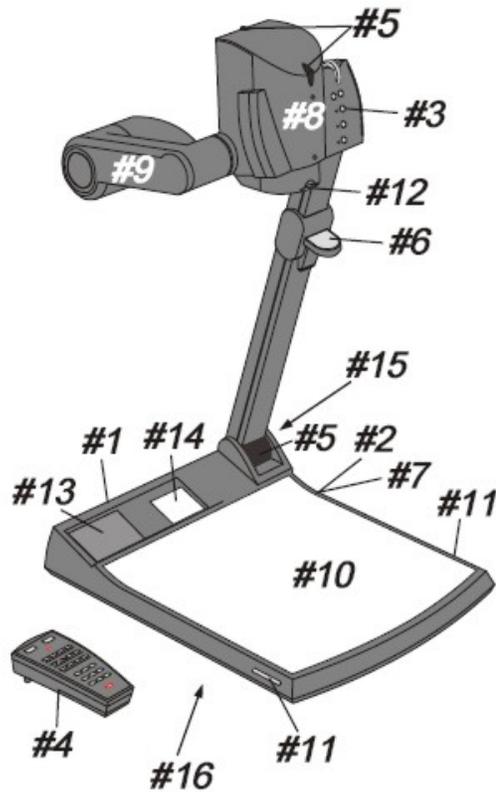
Use to start recording or playback when in record ready mode or when playback is paused.

However, if you press this key when playback is paused in the reverse direction, the playback is paused in the forward direction.
- ㊲ **EJECT button**
Press to open the cassette compartment.
- ㊳ **Cassette compartment**
Press the EJECT button to open the cassette compartment so that cassette tapes can be removed or loaded. To close the cassette compartment, press its door directly with your hand.

Monitoring section

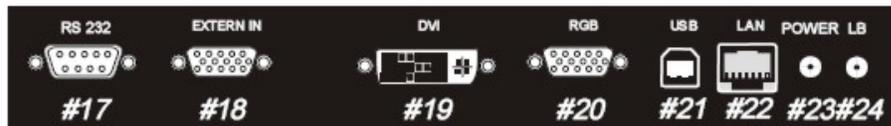
- ㊴ **MONITOR switch**
Set the sound output from the PHONES jack to either the CD sound only, the tape sound only, or a mix of the CD and tape sounds.

Document Camera - Wolfvision VZ-9



- #1 Connectors
(on the back as shown below)
- #2 Power and light on/off key
- #3 Camera keys, zoom wheel
- #4 IR-remote control
- #5 IR-receiver
(2 receivers on camera head and 1 on base)
- #6 Pull pad to lift the arm up/down
- #7 Power indication LED
- #8 Camera head
- #9 Light
- #10 Working surface
- #11 Pad to rotate the VZ-9plus
- #12 Close up lens for camera
- #13 Preview monitor
- #14 Light field for slides
- #15 Slot for Kensington lock®
- #16 Alternative Antitheft security

Connectors (#1)

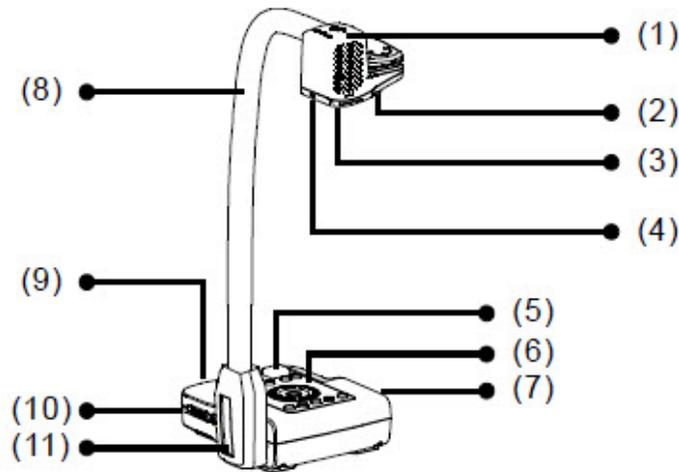


- #17 RS-232 serial control input RS232
- #18 External input for computers
- #19 DVI output
- #20 RGB output
- #21 USB-port
- #22 LAN-port
- #23 Power connection 12V
- #24 DC-output for lightbox

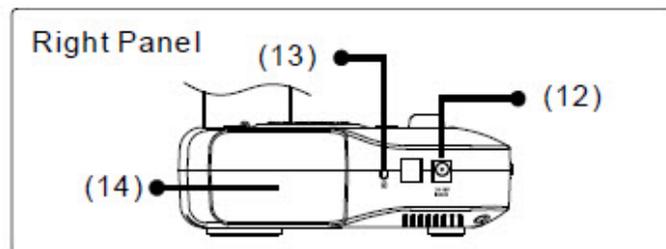
AVerVision CP355 Parts

The illustrations below identify the parts of AVerVision CP355.

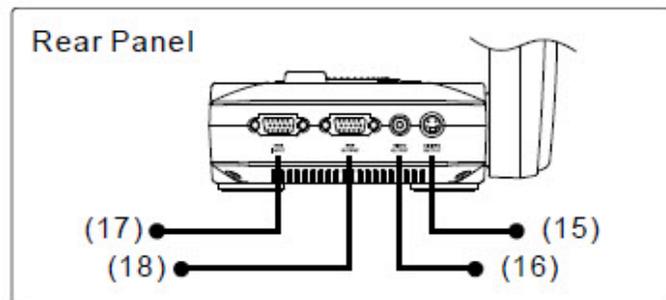
- (1) Camera head
- (2) LED light
- (3) Camera lens
- (4) LED light switch
- (5) IR sensor
- (6) Control panel
- (7) Right panel
- (8) Gooseneck
- (9) Rear panel
- (10) Left panel
- (11) Label slot



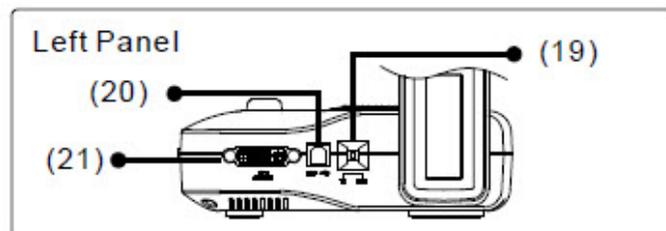
- (12) DC 12V port
- (13) Antitheft slot
- (14) Camera head holder



- (15) S-Video output port
- (16) Composite video output port
- (17) RGB input port
- (18) RGB output port

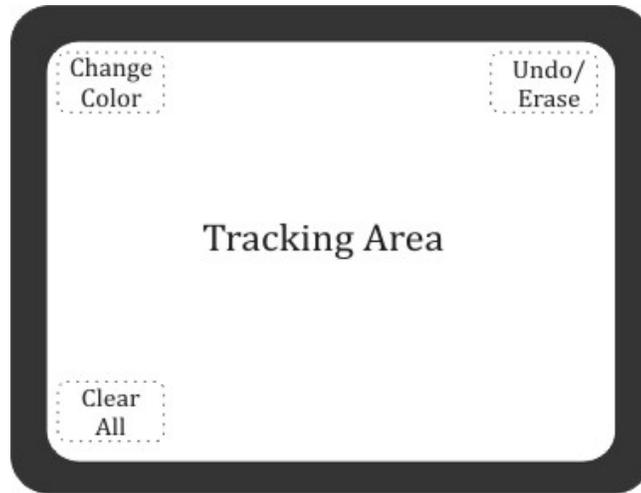


- (19) TV-RGB switch
- (20) USB port
- (21) DVI-I output port



AVerMedia

Annotation Monitor (Pointmaker)



TRACKING AREA

The area on the touch screen that responds to the movements of your finger. Draw and point in this area.

FUNCTION AREAS

The three regions on the touch screen that, when tapped, activate a function. Drawing in a function area simply involves a finger press “drawn” across the touch screen surface.

COMMAND	OPERATION
Color Change	Tap top left corner. The marker color is changed to the next color activated in the Color Palette.
Draw	Press and drag finger
Point	Lightly drag finger across Tracking Area to position pointer. To keep pointer positional, do not tap or press.
Undo/Erase Marker	Tap upper right corner. Activates either undo or erase command, depending on which mode has been chosen in the menu system.
Clear All	Tap lower left corner. Clears all annotations in Tracking Area.

Note: The touch screen monitors must be on before the system is turned on. If not, connectivity between the touch screens and the Pointmaker may be lost.

If you need to recalibrate a touch screen, from the touch panel ANNOTATIONS Page – press the RESET button. The Pointmaker logo will appear on the display while it checks the active comm. Ports, when the Serial number appears at the bottom of the screen, touch the screen once to enter the Calibration Mode.

CONTROL SYSTEM OPERATION - Master Touch Panel

The Master 10" control touch panel is located at the Judge and CRD locations. The X-Panels for this installation were developed from these touch panels and contain the identical control functions.

Start Page

The Start Page is what the system will show when it is powered down. "Press Here to Continue" will power on the system. After pressing, a message and a status appear until the system is completely powered up.



Main Page

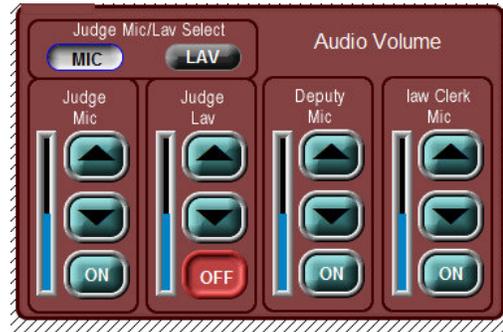
The Main Page appears after power up is complete and provides the navigation for the system. It allows one to:

1. Turn System ON / OFF.
2. Control Volume and Mute state of presentation sources and room. Including Auto Mute
3. Activate Sidebar, Judge's PC or either atty's PC Audio/Video.
4. Provide selection and pop-up controls for the Audio/ Video, controls (for microphone setup), Audio and Video Conference.
5. Turn Chambers audio feed and or Out of Room on/off.
6. Initiate the Master Reset.
7. Call up the Help page.
8. Print screen to the color Printer



Audio Controls

The Audio Controls provides the controls to alter the volume and to mute / un-mute the microphones and outputs of the audio system. The first tab of the Audio Controls is shown to the right. This tab also includes the ability of switching between the Judge's Gooseneck Mic or his Lavalier Mic.



Audio Conference / Remote Interpreter

The Audio Conference system is composed of four phone lines. Lines 2 and 4 are for use with the Remote Interpreter, but can be used for both standard audio conferencing and for Remote Interpretation. Note that the two conference pages have the standard telephone controls, but the Remote Interpreter page has IR & PA buttons – this allows one to route the incoming audio from the far side to either the 2nd channel of the IR assistive listening system (private – non-english mode) or the PA system (public – english mode).



Video Conference

Emulates the IR remote for the Polycom VSX8000. Provides control of the PIP and allows direct access the phone directory of the Polycom. Also allows one to adjust or mute the incoming and outgoing volumes.



Side Bar

Pressing the Side Bar re-configures the audio system and pop-ups the volume controls shown on the right over the volume controls on the Main Page. In this mode, the side bar microphone and the Judge's mics are activated and routed to the CR Headphones and the Rec 1 feed. All other microphones and audio feeds are muted. Pressing the Side Bar button a second time will toggle off the Side Bar Mode.



Source Selection

Pressing any one of the sources brings up that source on the video screens and activates its corresponding audio. It also brings up the controls for that source. Pressing the "Seal" button will black out all monitors and mute the audio.

