

CD100

COURT DIRECTOR™
COURTROOM A/V SWITCHING SYSTEM

FEATURES

- **3 Inputs for Computer Video and Stereo Audio:** Counsel A / Counsel B / Auxiliary A/V
- **Buffered Local Monitor Outputs for Inputs 1 and 2**
- **Six Outputs with Individual On / Off Capability —** Distribute Video Signals to Judge, Jury, Witness, Counsel, Gallery or Press Feed
- **Video Override Button Lets Judge Instantly Blank All Displays** (Requires Optional CD110 Status Display)
- **Audio Buffering —** Unbalanced Audio Signals are Converted to Balanced Audio
- **Volume Control and Mute**
- **RS-232 Control of All Functions**
- **4 Memories to Store Common Configurations**
- **Integrates with IN1400 Series Video Scalers —** Can Send Commands to Video Scaler to Select Specific Input

SWITCHERS & MATRICES



CD100 Court Director™

The CD100 Court Director™ is a complete A/V switching and distribution solution for courtroom evidence presentation. By combining A/V signal switching, distribution and control into one product, CD100 Court Director™ simplifies the design and installation process for system designers and integrators, offering flexible signal routing capabilities and easy operation for a variety of courtroom audiovisual system applications.

Three Inputs

The CD100 offers three inputs for computer video and stereo audio. Inputs 1 and 2 are designated as Counsel A and Counsel B and are primarily designed to accept computer video signals from computers located at counsel tables or a shared presentation podium. Input 3 (Auxiliary A/V) is designed to accept a high resolution RGBHV video signal from a video scaler. Video sources such as document cameras, VCRs, DVD players, video decks and other video sources can easily be integrated into the presentation system by taking these signals into a video scaler like the INLINE IN1403 or IN1404. The video scaler decodes these signals and scales them to the best resolution and refresh rate to match the capabilities of the data displays and large screen displays used in the courtroom.

Buffered Local Monitor Outputs

Input 1 and Input 2 each provide a buffered output to drive a local monitor.

Audio Switching and Buffering

All three inputs include audio-follow-video switching and automatically select the appropriate audio signal each time a new input is selected. The audio inputs accept unbalanced line level audio signals and convert them to balanced audio for connection to the courtroom sound system. The CD100 front panel includes volume and mute buttons to control the audio levels. Unique volume settings are stored for each of the three inputs and automatically recalled when an input is selected.

Six Video Outputs with Individual Selection

Offering six outputs, the CD100 can distribute the selected video input signal to displays for the judge, jury, witness, counsel, gallery or press room. Each output can be individually enabled or disabled using the CD100 front panel buttons or using serial commands. If required, the judge can instantly blank all output signals using the video override button located on the optional CD110 Status Display.

Four Memories

The four memory buttons store commonly used configurations for easy recall with a single button. The memory buttons store input selection, output selection and can automatically send an RS-232 command to select the desired input on an IN1400 Series video scaler.

RS-232 Remote Control

All CD100 functions can be controlled remotely using RS-232 serial commands generated by a third-party control system, computer or other serial command source.

Video Scaler Integration

The CD100 combines with IN1400 Series video scalers to create a complete A/V switching and video scaling solution. The CD100 has the ability to automatically select inputs on an IN1402 / IN1403 / IN1404 video scaler and has a second RS-232 control port specifically intended for this purpose. The CD100 Court Director™ can be configured to associate a specific RS-232 code with each of the four memory buttons. When the memory is recalled, the pre-programmed RS-232 control string is automatically transmitted out of the CD100 RS-232 port to the IN1400 Series video scaler, commanding it to select a specific input.

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Status Display

The CD110 is an optional status display that lets the judge, court clerk or A/V operator see the status of the system. Individual LEDs on the status display indicate which displays in the courtroom are currently receiving a video signal. The status display includes the judge's video override button, which lets the judge instantly blank all displays in the courtroom. Once the video override has been turned on, the CD100 Court Director will not route video images to any display in the court room until the judge permits it by pressing the video override button again to release the override condition.

When video override is released, the previously selected input is still selected, however, all outputs are off and outputs must be individually enabled again. This gives the A/V technician or presenter an opportunity to recue the source material, send the image to the judge for approval, and then re-enable other displays in the room.

Status Display Link Cables

The IN9139 Series status display link cables are designed to connect the CD100 Court Director and the CD110 Status Display. These cables feature a high quality molded 9-Pin D male connector on each end and are available in a variety of lengths from 25' up to 75'.

Engravable Labeling Plates

The CD100 Court Director and CD110 Status Display have label holders on the front panel to hold optional engravable labeling plates. The engravable labeling plates allow the CD100 and CD110 to be customized with labels that accurately identify each signal source and destination to match the requirements of various courtroom facilities.

CD110 Court Director™ Status Display Button



SPECIFICATIONS

INPUT

Connector: (3) 15-pin HD female — standard VGA pin-outs
RGB Signals: Analog video, 1.5 Vp-p max.
Sync Signals: TTL
Audio Connectors:
 Input 1 & Input 2: 3.5mm Stereo Mini female
 Input 3: (2) RCA Female
Audio Signals: Unbalanced Line Level

OUTPUTS

Buffered Local Monitor:
 (2) 15-pin HD female
Main Outputs: (6) 15-pin HD female
Output Format: Same as Input signal
Bandwidth: 250 MHz @ -3 dB with .7 volt input signal
Audio Connectors:
 5-Pin Captive Screw Terminal
Audio Signals:
 Balanced or Unbalanced Audio

GENERAL

Power Supply: 90-260VAC; 47-63 Hz
RS-232 Ports:
 (2) 3-Pin Captive Screw Terminal
RS-232 Protocol:
 1200 to 38,400 bps, 8 Bits, 1 Stop bit, No parity
Status Display Connector:
 (2) 9-Pin D female
Shipping Weight: 7 lbs. / 3.5 kg
Product Weight: 3.5 lbs. / 1.6 kg
Included Accessories: IN9123B Rack Ears
Dimensions:
 1.75" x 17" x 12.2" / 4.4cm x 43.2cm x 31.0cm
Regulatory Approvals: UL1950, CAN/CSA-22.2 No.950, Third Edition CE: EN55022 (1987), EN50081-1 (1991), EN50082-1 (1992 and 1994), EN60950-92

ORDER INFORMATION

- CD100-1** Court Director™ Courtroom A/V Switching System — 3 Inputs, 6-Outputs, RS-232 Control
- CD110-1** Court Director™ Status Display with Judge's Video Override Button

STATUS DISPLAY LINK CABLES — USE TO CONNECT CD100 TO CD110

- IN9139-L25** Court Director Status Display Link Cable - 25'
- IN9139-L35** Court Director Status Display Link Cable - 35' Long
- IN9139-L50** Court Director Status Display Link Cable - 50' Long
- IN9139-L75** Court Director Status Display Link Cable - 75' Long

Switcher & Matrix Accessories — See Pages 101 & 102