AXIS T8310 SERIES VIDEO SURVEILLANCE CONTROL BOARD INTEGRATION
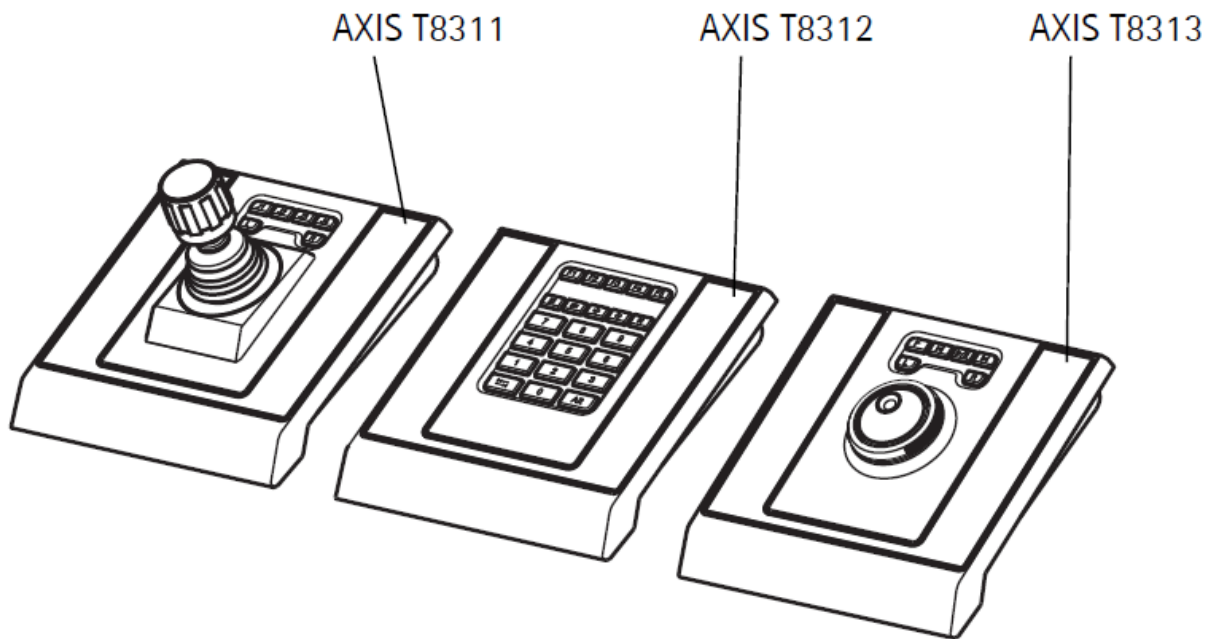
COMPLETEVIEW 20/20

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INTRODUCTION

The AXIS T8310 Video Surveillance Control Board consists of three units that can be installed separately or together as one unit. The AXIS T8311 gives responsive and accurate control of the pan, tilt, and zoom functionality of the camera(s) on the network, while the AXIS T8312 is used to navigate quickly between cameras, views, and PTZ presets. Finally, the AXIS T8313 is used to jog and shuttle through recorded video. All the units are powered through a standard USB connection.

CompleteView 20/20 features full integration with the AXIS T8310 Video Surveillance Control Board. Upon successful installation of the AXIS T8310 Video Surveillance Control Board, all buttons, controls, and presets on the control board will be configured automatically for optimal use with .

This manual covers five main topics:

- AXIS T8310 Video Surveillance Control Board Installation
- AXIS T8311 controls and functionality
- AXIS T8312 controls and functionality
- AXIS T8313 controls and functionality
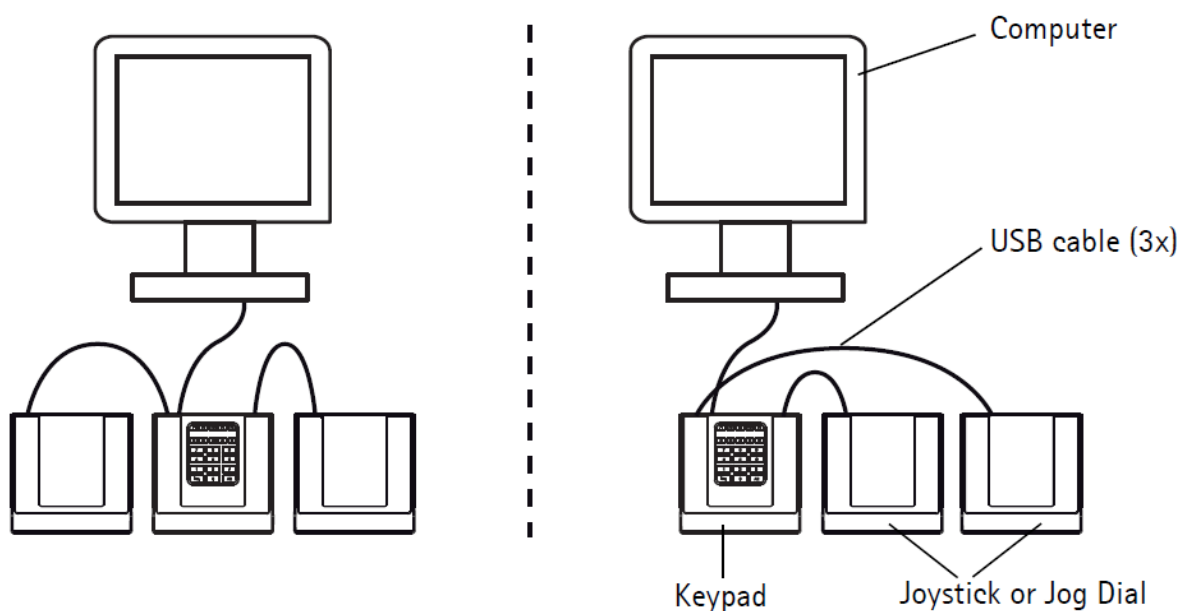- Troubleshooting the AXIS T8310 Video Surveillance Control Board

INSTALLATION

The AXIS T8310 Video Surveillance Control Board adheres to traditional Windows hardware installation paradigms.

Plug and Play

Installation of the AXIS T8310 Video Surveillance Control Board driver is Plug and Play. The AXIS T8311 Video Surveillance Joystick, AXIS T8312 Video Surveillance Keypad, and AXIS T8313 Video Surveillance Jog Dial can be connected separately or together as one unit using the AXIS T8312 Video Surveillance Keypad as a USB hub. The units can be placed interchangeably to meet the requirements and needs of the workstation and the users.
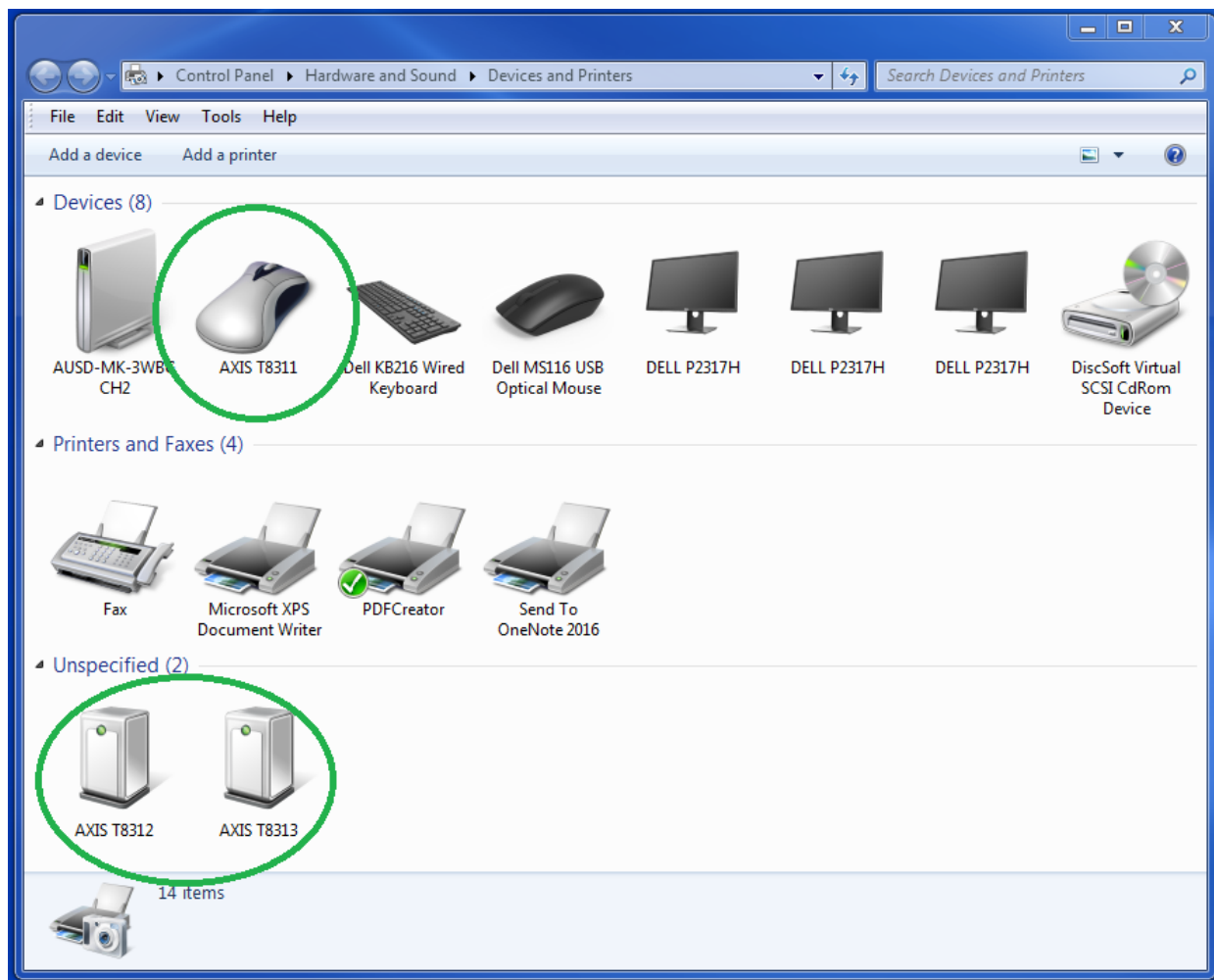
The illustration below gives examples of how to connect the units.
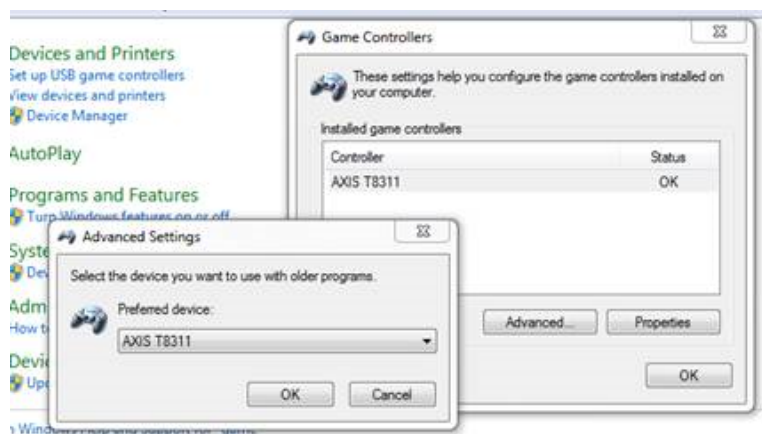

1. Connect the USB plug to a USB port on your computer.
2. Follow the on-screen instructions (if applicable) to install the necessary drivers.
3. Start the Desktop Client. The joystick/keypad/jog dial are automatically detected.

Device Management

Once successfully installed, the joystick, keypad, and jog dial will appear in the PC's Devices and Printers window. To view the devices, open Start > Control Panel > Devices and Printers or Start > Settings > Devices, depending on operating system.

In addition, the joystick will also appear as a game controller. Select Start > Control Panel > Game Controllers or Start > Settings > Devices depending on operating system to view it.
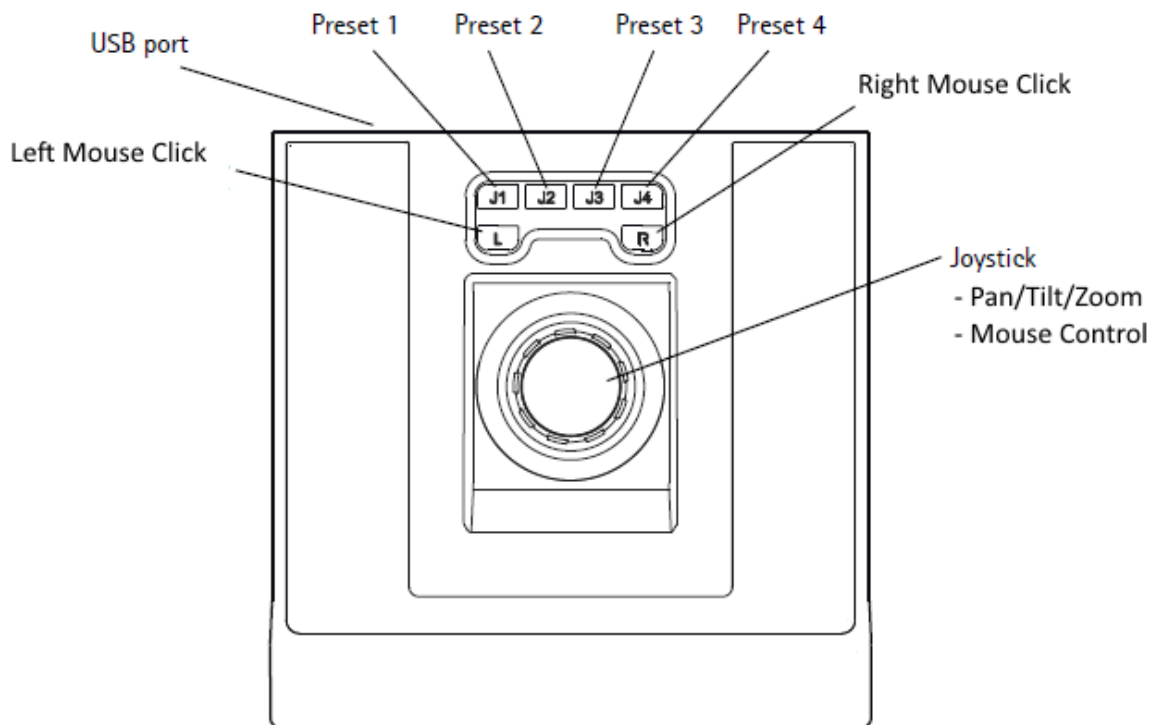
AXIS T8311 JOYSTICK

The AXIS T8311 joystick is a USB device that can be used to pan, tilt, and zoom in the camera view. It can also be used as a mouse.

AXIS T8311 Joystick Functions

The diagram below provides an overview of the functions of the joystick specific to . Consult the table below for more detail.

Control	Description
J1	Preset 1 from Selected Camera
J2	Preset 2 from Selected Camera
J3	Preset 3 from Selected Camera
J4	Preset 4 from Selected Camera
L L	Left Mouse Button
R R	Right Mouse Button

Control	Description
Joystick X-Axis	Pan Right/Pan Left and Mouse Control
Joystick Y-Axis	Pan Up/Pan Down and Mouse Control
Joystick Z-Axis	Zoom In/Out

AXIS T8312 KEYPAD

The AXIS T8312 Video Surveillance Keypad is a USB device used to quickly navigate between workspaces, cameras, views, and PTZ presets.
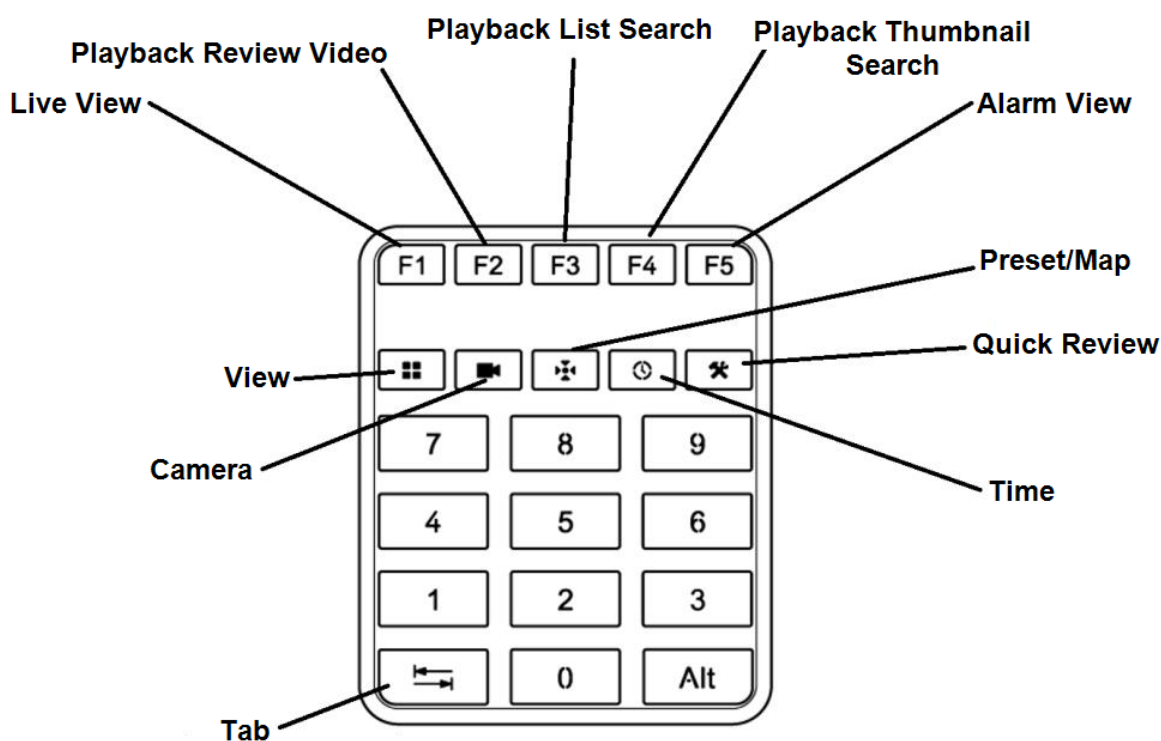
AXIS T8312 Keypad Functions

The diagram below provides an overview of the functions of the keypad specific to CompleteView 20/20. Consult the table below for more detail.

A Word About the Function Keys

F1 - F5 are designed to work with multiple opened dock windows. The control board input only affects the active window. The F1 - F5 navigation keys are designed to switch the active window.

Example: Live View is opened in one window and Alarm View is opened in another. If the current active window is Alarm View but if utilizing PTZ in Live View is desired, first use the F1 button to switch the active window to Live View.

Control	Description
F1	Navigates to the Live View window. If Live View is already the active window, this will toggle on/off the View Tour.

Control	Description
F2	Navigates to Playback Review Video. Populates the video for the selected camera tile in Live View and automatically fills in the time for the 24 hour scale.
F3	Navigates to Playback List Search. Populates the search for the selected camera tile in Live View.
F4	Navigates to Playback Thumbnail Search. Populates the search for the selected camera tile in Live View.
F5	Navigates to Alarm View.
View ▦	LIVE VIEW: Selects the next View in the Left Menu tree. Alt+View selects the previous View in the Left Menu tree. Enter a number on the keypad (1-9999) then press the View button to select the View whose ID matches the number entered.
Camera ▣	LIVE VIEW: Selects the next Camera in the Left Menu tree. Alt+Camera selects the previous Camera in the Left Menu tree. Enter a number on the keypad (1-9999) and then press the Camera button to select the Camera whose ID matches the number entered.
Preset/Map ⊕	LIVE VIEW: Enter a number on the keypad (1-9999) and then press the Preset/Map button to send the selected camera tile to the entered preset. Alt+Preset/Map selects the next Map in the Left Menu tree. PLAYBACK: Enter a number on the keypad (1-9999) and then press the Preset/Map button to send video playback to the entered preset. ALARM VIEW: Enter a number on the keypad (1-9999) and then press the Preset/Map button to change the preset of the Live View tile of the selected Event.
Time ⊙	Enter a time on the keypad (hhmm) and press the Time key to trigger an action as described below. The time format must be 0-23 for hours and 0-59 for minutes. The leading 0 for the hour can be omitted (i.e. 9:30 instead of 09:30). LIVE VIEW: Navigates to Playback Review and populates the video playback with the selected camera tile. Automatically loads the video at the specified time. PLAYBACK: In List Search, selects the appropriate video clip and jumps playback to the specified time. In Thumbnail Search, selects the appropriate thumbnail and jumps Playback to the specified time.
Quick Review ✳	LIVE VIEW: Quick review of the selected camera tile for 30 seconds. Entering a number (0-9) or combination of numbers and then pressing the Quick Review button will open the Quick

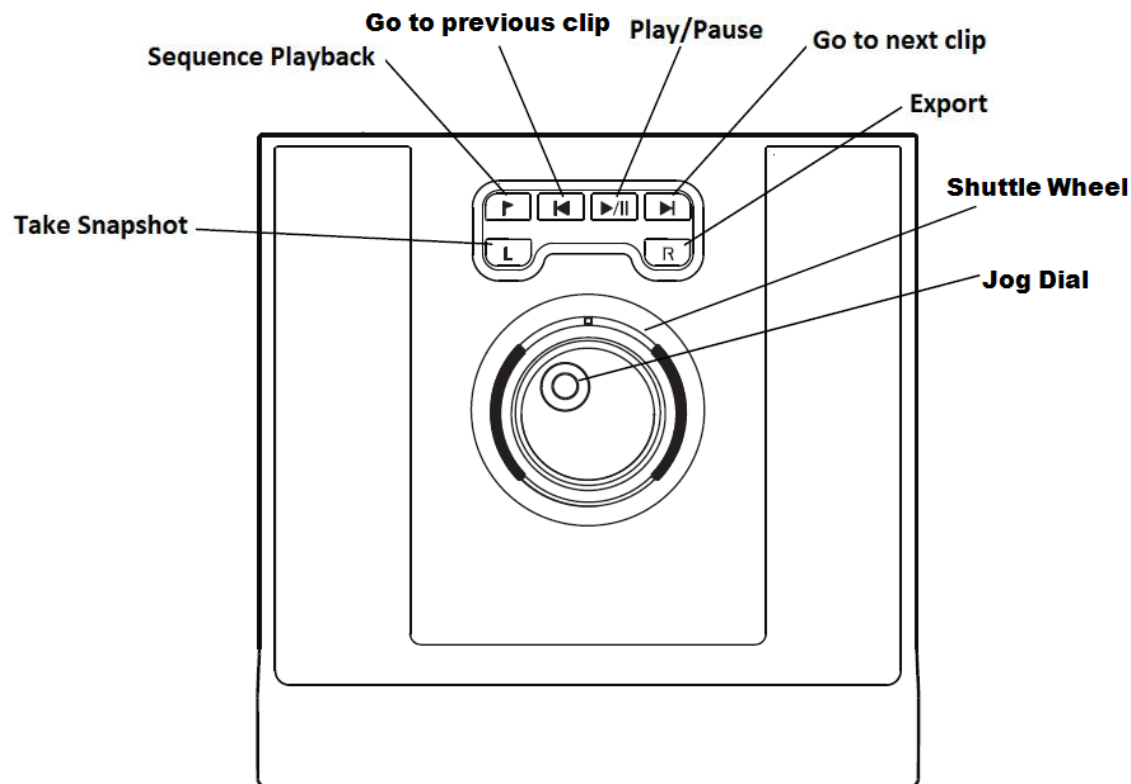| Control	Description
	Review window with the entered playback time in minutes. For example, entering 2 will open Quick Review automatically with 2 minutes of playback. Entering 0 and then pressing the Quick Review button will stop Quick Review for the selected camera tile.
Buttons 0-9	Numeric 0-9
Tab	LIVE VIEW: Selects the next camera tile. Alt+Tab selects the previous camera tile. ALARM VIEW: Selects the next item in the list of Events. Alt+Tab selects the previous item in the list of Events.
Alt	Used in combination with other keypad options to handle backward navigation and other behaviors. See descriptions above. If Alt+0 is pressed this will put the controller into mouse mode. Selecting Alt+0 again will return it to joystick mode.

Mouse Mode

Pressing $Alt+0$ toggles mouse mode on and off. While in mouse mode, the functionality of the control board buttons remains the same. Moving the joystick will move the mouse cursor on the screen instead of performing PTZ.

AXIS T8313 JOG DIAL

The AXIS T8313 Video Surveillance Jog Dial is a USB device used to jog and shuttle through recorded video.

AXIS T8313 Jog Dial Functions

The diagram below provides an overview of the functions of the jog dial specific to CompleteView 20/20. Consult the table below for more detail.

Control	Description
Sequential Playback	Pressing the Sequential Playback button while in the Playback window will play clips one after the other in sequence. Note, a clip must be selected and displayed in the Playback window first before this sequential playback will work. Only functional in the Playback List Search and Playback Thumbnail Search windows.
Back Button	In Playback List Search, selects the previous video clip in the list. In Playback Thumbnail Search, selects the previous thumbnail. In Playback Review Video, seeks to the beginning of the timeline.

Control	Description
Play/Pause ▶/⏸	Plays or pauses the current video clip in the Playback windows.
Forward Button ⏭	In Playback List Search, selects the next video clip in the list. In Playback Thumbnail Search, selects the next thumbnail. In Playback Review Video, seeks to the end of the timeline.
L ⟨L⟩	LIVE VIEW: Takes a snapshot of the currently selected camera tile. PLAYBACK: In Playback Review Video and Playback List Search, takes a snapshot of the current video playback. In Playback Thumbnail Search, L will zoom in to the next set of time divisible thumbnails within the selected thumbnail if possible. If zooming in is not possible, L will take a snapshot of the selected thumbnail. ALARM VIEW: Takes a snapshot of the Live View tile of the currently selected Event. **Note**: Snapshots are automatically saved to the Documents folder of the current Windows user. (e.g. C:\Users\<user>\Documents\Salient Security Platform\CompleteView 2020\Desktop Client)
R ⟨R⟩	ALARM VIEW: Exports the Playback video clip of the currently selected Event. PLAYBACK: In Playback Review Video, exports a 10-minute video clip starting at the current seek time. In Playback List Search, exports the currently selected video clip. In Playback Thumbnail Search, R will zoom out to the next set of time divisible thumbnails within the selected thumbnail if possible. If zoom out is not possible, R will export the selected thumbnail.
Shuttle Wheel	Shuttle clockwise - Playback: Increase speed Shuttle counterclockwise - Playback: reduce speed
Jog Dial	Jog clockwise - Step forward in Playback paused state. If in Thumbnail Search, jog clockwise will select the next thumbnail. Jog counterclockwise - step backward in Playback paused state. If in Thumbnail Search, jog counterclockwise will select the previous thumbnail.

TROUBLESHOOTING

Note that the control boards are not designed to work with multiple open instances of the Desktop Client. In addition, the hardware must be plugged in before the Desktop Client is launched.

If the AXIS T8310 Video Surveillance Control Board is or becomes unresponsive, begin troubleshooting by restarting the CompleteView 20/20 Desktop Client.

If the unit is still unresponsive after relaunching the Desktop Client, perform the following steps in the order given:

1. Unplug all the components from each other
2. Plug only the joystick into a USB 2.0 port
3. Restart the computer
4. Wait until the Windows operating system detects the unit's driver and installs it
5. Once Windows installs the driver successfully, plug in the next component to the joystick and wait for Windows to install the driver before plugging in the final component

If, after following those steps in order, the unit is still unresponsive, it may be necessary to disable the PC's ability to boot from a USB drive or other removable device. Those settings will be found in the PC's BIOS . Consult the PC manufacturer's documentation for more information.

ADDITIONAL RESOURCES

Visit the Salient website, www.salientsys.com, for additional support and training:

- Manuals & Documentation ([https://support.salientsys.com/hc/en-us/c-ategories/115000292747-Knowledge-Base](https://support.salientsys.com/hc/en-us/categories/115000292747-Knowledge-Base)) – Includes Administrator's Manual, Client User Manuals (including Video, Alarm and Web clients), How To Guides and Tips.
- Online Tech Support (https://support.salientsys.com/hc/en-us) – Get quick access to online tech support modules that cover the most frequently asked product questions, such as "Adding and Moving IP Camera Licenses."

- Training (https://support.salientsys.com/hc/en-us/categories/115000302988-Training) – we offer both online and classroom training.
  - CompleteView™ Online Certification - Register online for access to interactive train-ing modules covering the Video, Alarm, Mapping and Web clients
  - CompleteView™ Classroom Certification - Our traditional classroom training is available throughout the United States. Please visit the Salient website for link to online training, training calendar, agenda and registration

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