G910 Keyboard[1]

[1]Enhanced Keyboard part number is Y-U0023-G910KBD; Enhanced Keyboard and 3D Mouse Combination Kit part number is A1-KBD-3D-KIT2.

VxOpsCenter recognizes Logitech keyboard models G910 or G710. When one of these keyboards is plugged in, and you save a tab or workspace, you are presented with additional Logitech-specific options (M1G1 through M3G6) in addition to standard keyboard shortcuts including "CTRL+SHIFT+1". No additional keyboard programming is required, unless you will configure the special macro keys as custom shortcuts.

To configure the macro keys as custom shortcuts:

1. Install the Logitech software for the keyboard

2. In the Logitech software, configure the key (for example: G3) with a valid key combination (for example: Ctrl+Shift+P).

3. In the shortcut customization dialog, type the key combination, and then press the (G3) key.

   The configured key combination will display in the shortcut dialog; in this example, Ctrl+Shift+P is displayed instead of G3. The action can then be launched with the configured (G3) key or the valid key combination.

To use the standard keyboard controls, see *Table 1: Default Camera Controls (PTZ)*, *Table 2: Default Tab Navigation*, *Table 3: Default Cell Contents and Layout*, and *Table 4: Default Playback Controls*.

Table 1: Default Camera Controls (PTZ)

Shortcut	Action
Enter	Enter/exit PTZ Mode.*
Alt + Enter	Enter/exit Digital PTZ Mode.*
Esc	Toggle between Playback/PTZ and Navigation modes.*

Shortcut	Action
Home	Camera in cell: Send the camera to its home (Preset 1) position of a PTZ camera, whether or not the camera is in PTZ mode. Map in cell: Go to the home position of the map.
Ctrl + L	Lock/unlock PTZ camera.
Left Arrow	When PTZ is enabled, pan/nudge video.*
Right Arrow	When PTZ is enabled, pan/nudge video.*
Up Arrow	When PTZ is enabled, tilt/nudge video.*
Down Arrow	When PTZ is enabled, tilt/nudge video.*
Ctrl + B	When PTZ is enabled, and If supported by the camera, toggle between zoom-to-box mode and virtual joystick mode.
Page Up	Zoom in.*
Page Down	Zoom out.*
Ctrl + I	Open iris.
Ctrl + Shift +I	Close iris.
Ctrl + F	Focus in.
Ctrl + Shift + F	Focus out.
Ctrl + Shift + M	Center the selected camera on a map.
N	Camera in cell: Take a snapshot.* Map in cell: Launch the selected cameras.*

*This shortcut is also available in VxPlayer.

Table 2: Default Tab Navigation

Shortcut	Action
Esc	Toggle between Playback/PTZ and Navigation modes.
Ctrl + T	Create a new tab.
Ctrl + S	Save the current tab.
Ctrl + Alt + S	Save As for the current tab.
Ctrl + F4	Close the current tab.
Ctrl + Tab	Go to the next tab.
Ctrl + Shift + Tab	Go to the previous tab.
Ctrl + Shift + E	Toggle full-screen tab mode

Table 3: Default Cell Contents and Layout

Shortcut	Action
Insert	Add a source to a cell by ID.
Enter	Add a source to a cell by ID from the Call Up Camera/Time dialog.
Delete	Close a video stream.*
Ctrl + E	Enter/Exit fullscreen mode.*
Esc	Exit fullscreen mode.*
Alt + A	Toggle the Show Analytics Drawing Data Analytics Overlay in the current cell.*
Shift + Alt + A	Toggle the Show Analytics Drawing Data Analytics Overlay in all cells.
Alt + M	Toggle the Simple-Motion Data Analytics Overlay in the current cell.*
Shirt + Alt + M	Toggle the Simple-Motion Data Analytics Overlay in all cells.
Ctrl + Del	Close all video streams in the selected window.*
Ctrl + O	Open the tooltip for the selected cell.
Ctrl + "+"	Cycle layout; 1 up becomes 2 x 2, and so on.
Ctrl + "-"	Cycle layout in reverse order; 2 x 2 becomes 1 up, and so on.
Ctrl + J	Toggle stream statistics within a cell.
Ctrl + Shift + J	Toggle stream statistics in all cells.
Ctrl + Shift + S	Save the current window or workspace; if the current workspace does not yet exist, opens the Save As dialog.
Ctrl + 1	Display in 1 x 1 layout.*
Ctrl + 2	Display in 2 x 2 layout.*
Ctrl + 3	Display in 3 x 3 layout.
Ctrl + 4	Display in 4 x 4 layout.
Ctrl + 5	Display in 1 x 2 layout.
Ctrl + 6	Display in 3 x 2 layout.
Ctrl + 7	Display in 2 x 3 layout.
Ctrl + 8	Display in 4 x 3 layout.
Ctrl + 9	Display in 2 x 1 layout.
Ctrl + 0	Display in 1 + 5 layout.
# + M	Select a monitor to receive a camera that you will send.

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Shortcut	Action
# + C	Select a cell in a the monitor to receive a camera that you will send (use with # + M).
# + Enter	Open a camera in a cell.

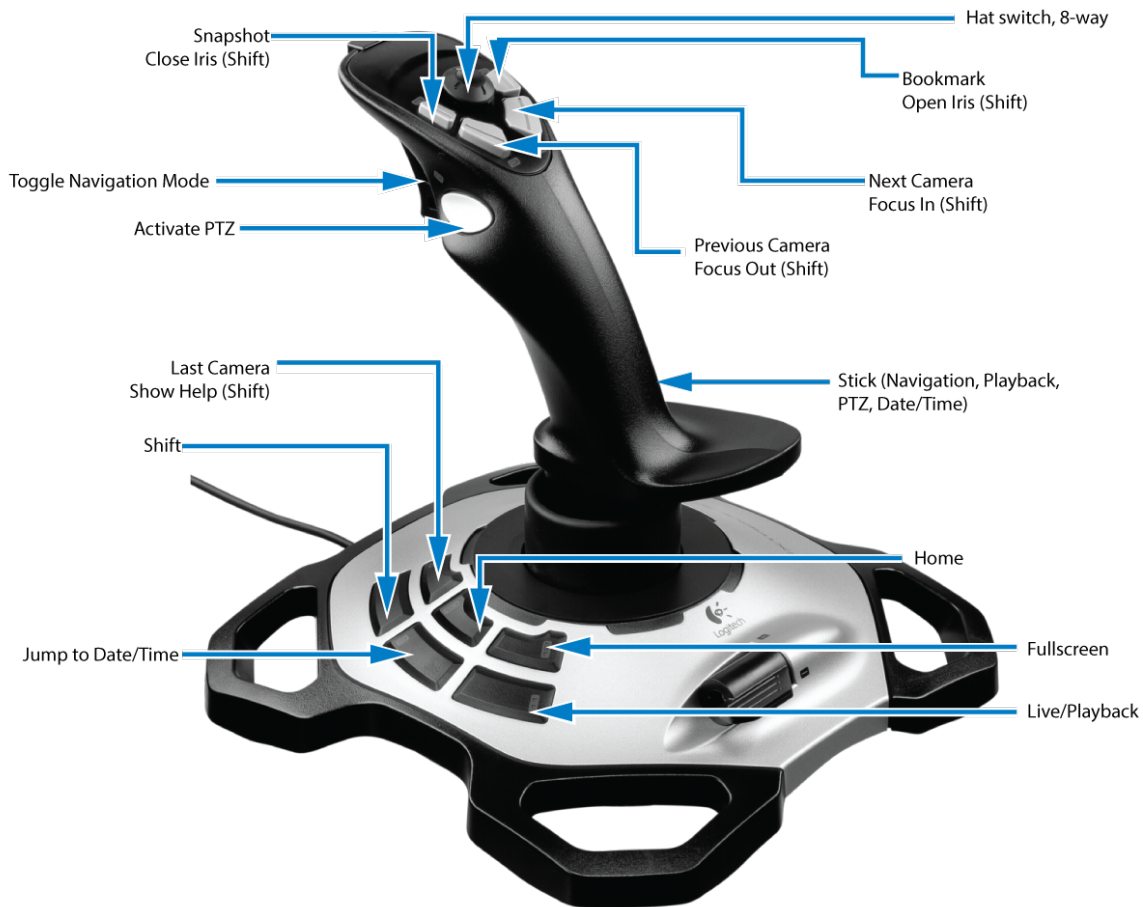*This shortcut is also available in VxPlayer.

Table 4: Default Playback Controls

Shortcut	Action
Spacebar	Enter playback mode; when in playback mode, play/pause video.*
Alt + Enter	Engage playback at the specified 24-hour time.
Alt	Hold and click fast forward or fast reverse icons to jump to the next or previous recording; Alt only works this way for on-screen controls, not for the fast forward or reverse keys or 3D mouse operations.
Alt + Up Arrow	View the next camera—the camera with the next camera number.
Alt + Down Arrow	View the previous camera—the camera with the previous camera number.
Up Arrow	Play.*
Down Arrow	Pause.*
Ctrl + Alt + P	Toggle synchronized playback for the current tab.
Alt + Spacebar or Alt + P	Reverse video at normal speed.*
L	Jump to live video.
Shift + Left Arrow	Hold down the shift key and click the arrow to play video at fractional speeds (1/2, 1/4, 1/8).*
Left Arrow	Fast reverse; press multiple times to increase playback speed.
U	Reverse video 1 frame.*
I	Advance video 1 frame.*
Shift + Right Arrow	Hold down the shift key and click the arrow to play video at fractional speeds (1/2, 1/4, 1/8).*
Right Arrow	Fast forward; press multiple times to increase playback speed.*
A	Jump back 1 hour.*
S	Jump back 30 minutes.*
D	Jump back 1 minute.*
F	Jump back 30 seconds.*

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Shortcut	Action
G	Jump forward 30 seconds.*
H	Jump forward 1 minute.*
J	Jump forward 30 minutes.*
K	Jump forward 1 hour.*
B	Camera in cell: Add bookmark. Map in cell: Select cameras in the view.
Shift + Alt + Right Arrow	Jump to next bookmark.
Shift + Alt + Left Arrow	Jump to previous bookmark.
Ctrl + Right Arrow	When in live sequence mode, pauses the sequence and jumps to the next camera in the sequence.
Ctrl + Left Arrow	When in live sequence mode, pauses the sequence and jumps to the previous camera in the sequence.
Ctrl + Alt + Right Arrow	Jump to next clip.*
Ctrl + Alt + Left Arrow	Jump to previous clip.*

*This shortcut is also available in VxPlayer.

Logitech Extreme 3D Pro Joystick[2]

Snapshot
Close Iris (Shift)

Hat switch, 8-way

Bookmark
Open Iris (Shift)

Toggle Navigation Mode

Next Camera
Focus In (Shift)

Activate PTZ

Previous Camera
Focus Out (Shift)

Last Camera
Show Help (Shift)

Stick (Navigation, Playback,
PTZ, Date/Time)

Shift

Home

Jump to Date/Time

Fullscreen

Live/Playback

[2]Order the Logitech Extreme 3D Pro Joystick from a third-party.

The joystick moves directionally and twists; each action performs a different function depending on your viewing mode. Press the Toggle Navigation Mode button when in PTZ or Playback modes to escape the current cell and navigate the workspace without exiting PTZ or Playback in the current cell.

Directional controls:

- Navigation Mode—Move between cells.
- PTZ—Pan and tilt the selected camera.
- Mapping—Move around the map.
- Playback
  - Move the joystick left or right to pause video and rewind or advance video frame-by-frame; move the joystick up to play back video at normal speed; move the joystick down to pause the video.
  - Move the hat switch right or left to engage fast-forward or fast-reverse playback. Move hat switch again or hold to increase playback speed. Hold down the shift key and move the hat switch right or left to engage forward or reverse playback at fractional speeds (for example: 1/2,1/4, 1/8). Move the hat switch up to play back video at normal speed; move the hat switch down to pause the video.

- Date/time selector—Move the joystick or hat switch up or down to change the values of the date or time in the Date/Time selector; move the joystick or hat switch side to side to move between fields within the date or time selection.

Twist controls:

- Mapping—Zoom the map in or out when PTZ is enabled.
- Playback—Engage fast-forward or fast-reverse playback; twist again or twist and hold to increase playback speed.
- Playback at fractional speeds—Engage forward or reverse playback at fractional speeds (for example: 1/2, 1/4, 1/8). Hold down the shift key and twist the joystick clockwise or counterclockwise to select the speed. To return to full speed, turn the joystick all the way clockwise or counterclockwise.
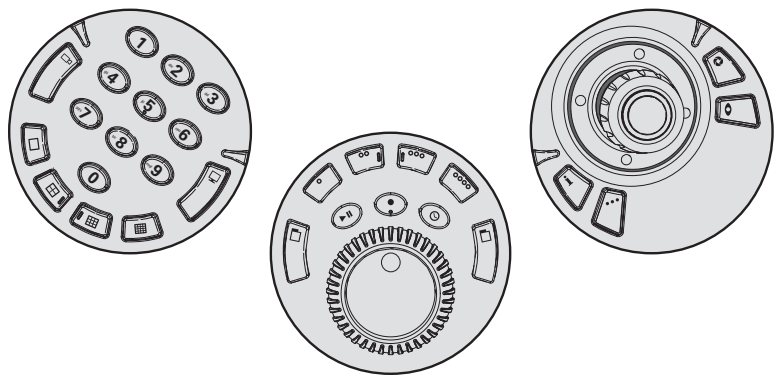- Date/time selector—Twist the joystick left or right to move between the date and time fields.

Button controls are explained in *Table 5: Logitech Extreme 3D Joystick Button Controls*.

Table 5: Logitech Extreme 3D Joystick Button Controls

Button	Action
Snapshot	Camera in cell: Take a snapshot. Map in cell: Launch the selected cameras.
Shift + Close iris	Close the camera iris, available when PTZ is enabled.
Hat switch, 8-way	Perform pan/tilt function, but limited to eight directions.
Bookmark	Camera in cell: Add a bookmark. Map in cell: Select cameras in the view.
Shift + Open iris	Open the camera iris, available when PTZ is enabled.
Next camera	View the camera with the next camera number.
Shift + Focus in	When PTZ is enabled, focus in.
Previous camera	View the camera with the previous camera number.
Shift + Focus out	When PTZ is enabled, focus out.
Activate PTZ	Toggle PTZ mode on and off. When using the Date/Time selector, "Go".
Toggle navigation mode	Toggle between Playback/PTZ and Navigation modes.
Last camera	Go to the last camera used.
Shift + Show help	View help information.
Home	Camera in cell: Send a PTZ camera to its "Home" (Preset1) position when PTZ isenabled. Map in cell: Go to the home position of the map.

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Button	Action
Fullscreen	Toggles full screen view on and off.
Live/Playback	Toggle between live and playback modes.
Jump to Date/Time	Open the date/time selector.
Shift + button	Activates alternate action for the button.

SpaceMouse Pro Controls[3]

[3]Enhanced 3D Mouse and Joystick part number is 3DX-600-3DMOUSE; Enhanced Keyboard and 3D Mouse Combination Kit part number is A1-KBD-3D-KIT2.

The joystick on the SpaceMouse Pro moves directionally and twists; each action performs a different function depending on your viewing mode. Press down on the joystick when in PTZ or Playback modes to escape the current cell and navigate the workspace without exiting PTZ or Playback in the current cell.

Directional controls:

- Navigation Mode—Move between cells.
- PTZ—Pan and tilt the selected camera.
- Mapping—Move around the map.
- Playback—Move the joystick left or right to pause video and rewind or advance video frame-by-frame; move the joystick up to play back video at normal speed; move the joystick down to pause the video.
- Date/time selector—Move the joystick up or down to change the values of the date or time in the date/time selector; move the joystick side to side to move between fields within the date or time selection.

Twist controls:

- Mapping—Zoom the map in or out when PTZ is enabled.
- Playback—Engage fast-forward or fast-reverse playback; twist again or twist and hold to increase playback speed.
- Playback at fractional speeds—Engage fast-forward or fast-reverse playback at fractional speeds (for example: 1/2, 1/4, 1/8). Hold down the shift key and twist the joystick clockwise or counterclockwise to select the speed. To return to full speed, turn the joystick all the way clockwise or counterclockwise.
- Date/time selector—Twist the joystick left or right to move between the date and time fields.

Button controls are explained in *Table 6: SpaceMouse Pro Button Controls*.

Table 6: SpaceMouse Pro Button Controls

Shortcut	Action
1	N/A
2	Go to the last camera used.
3	When in live mode, pauses the sequence and goes to the previous camera in the sequence.
4	When in live mode, pauses the sequence and goes to the next camera in the sequence.
Ctrl	Open iris, available when PTZ is enabled.
Esc	Close iris, available when PTZ is enabled.
Shift	When PTZ is enabled, focus in. When PTZ is disabled (playback mode), access fractional speeds.
Alt	Focus out, available when PTZ is enabled.
Menu	Toggle between live and playback modes.
⤵□	Camera in cell: Add a bookmark. Map in cell: Select cameras in the view.
T	Camera in cell: Take a snapshot. Map in cell: Launch the selected cameras.
⬮	Toggle PTZ Mode. When using the date/time selector, "Go."
R	Open the date/time selector.
F	Camera in cell: Send a PTZ camera to its "Home" (Preset 1) position when PTZ is enabled. Map in cell: Go to the home position of the map.
Fit	Open the selected cell in full screen view.

KBD5000 Controls[4]

[4]KBD5000 part number is KBD5000.

General use of the controls is as follows:

- Button Colors--When selecting preferences or options, a green button confirms your choice and a red button cancels it.
- Jog--Turn clockwise to advance frames and counterclockwise to backspace.
- Joystick Button--Enter PTZ mode; submit date/time selection; when in playback mode, press to lock the playback speed. Cancels the camera-call-up dialog, if open.
- Joystick Directional Controls--Navigate in the interface; when in PTZ mode, use the joystick to pan and tilt cameras; when in date/time selector, move the joystick up or down to change the date or time values, and move the joystick side to side to move between fields within the date or time selection.
- Joystick Twist--Zoom while in PTZ mode; when in Iris or Focus modes, twist to adjust the iris or focus; when in date/time selector, twist the joystick left or right to move between the date or time fields.
- Shuttle--Turn clockwise to engage fast forward and counterclockwise to engage fast reverse; the rotation angle increases or decreases the playback speed. To access fractional speeds in forward and reverse, pause the video, and then turn the shuttle (in the appropriate direction) to select the speed (for example: 1/2, 1/4, 1/8). To return to full speed, turn the shuttle all the way clockwise or counterclockwise.

Button controls are explained in *Table 7: KBD5000 Button Controls*.

Table 7: KBD5000 Button Controls

Shortcut	Action
0-9	Enter camera number, monitor number, or playback time. If there is no camera 0, you can enter 0 to disconnect a stream in the Call-up Camera/Time dialog.
🎥	Select camera (indicated by number). When using the Call-up Camera/Time dialog, press to select camera by ID.
🖥	Select monitor by number.

Shortcut	Action
☐	Toggle 1 x 1 layout.
⊞	Toggle 2 x 2 layout; use with number input to select a cell by number.
⊞	Toggle 3 x 3 layout.
⊞	Toggle 4 x 4 layout.
☐	Camera in cell: Create a bookmark. Map in cell: Select cameras in the view.
☐	Camera in cell: Take a snapshot. Map in cell: Launch the selected cameras.
▶❚❚	Play/Pause.
●	Inactive.
🕐	Toggle the Time/Day selector. Input a time and then press to engage playback at the specified 24-hour time.
◑	In PTZ mode--Toggle iris on/off; twist the joystick to adjust the iris. Not in PTZ mode--Toggle synchronous playback for the active tab.
👁	In PTZ mode--Toggle focus on/off; twist the joystick to adjust focus.
i	Press when in PTZ or Playback modes to escape the current cell and navigate to the workspace; when in the workspace, press to return to the PTZ or Playback mode. Hold to access keyboard shortcut information.
● ● ●	Camera in cell: Send a PTZ camera to its "Home" (Preset 1) position when PTZ is enabled. Map in cell: Go to the home position of the map when PTZ is enabled.
○	When in live sequence mode, pauses the sequence and goes to the previous camera in the sequence.
○ ○	When in live sequence mode, pauses the sequence and goes to the next camera in the sequence.
○ ○ ○	Go to the last viewed camera.
○ ○ ○ ○	Engage full-screen mode.

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