



Camera Control

Version 1.01

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User Guide

Purpose

Camera Control is used to control, via serial port, of a Sony VISCA enabled camera. This includes Cisco, Tandberg, Polycom, and Sony cameras.

Compatibility

This will run on Windows, macOS, Linux and RaspbianOS. Both 32 and 64-bit versions (except for RaspbianOS) have been supplied. However, it has only been tested with a Tandberg PrecisionHD camera connected via a Windows 10 machine.

Installation

Camera Control requires no special installation and can be run from any location, even from a USB stick.

Running

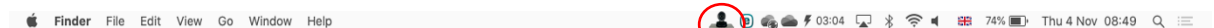


To run Camera Control, just double click on the Camera Control icon from your chosen location. It will put itself onto your system's toolbar:

Windows



macOS

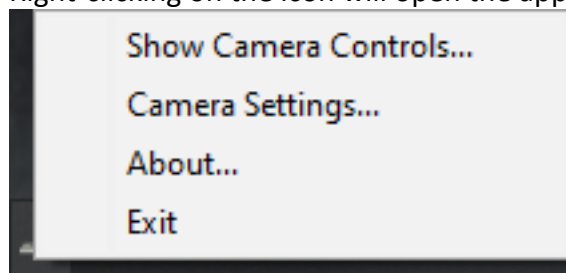


Linux



Usage

Right-clicking on the icon will open the application's main menu:



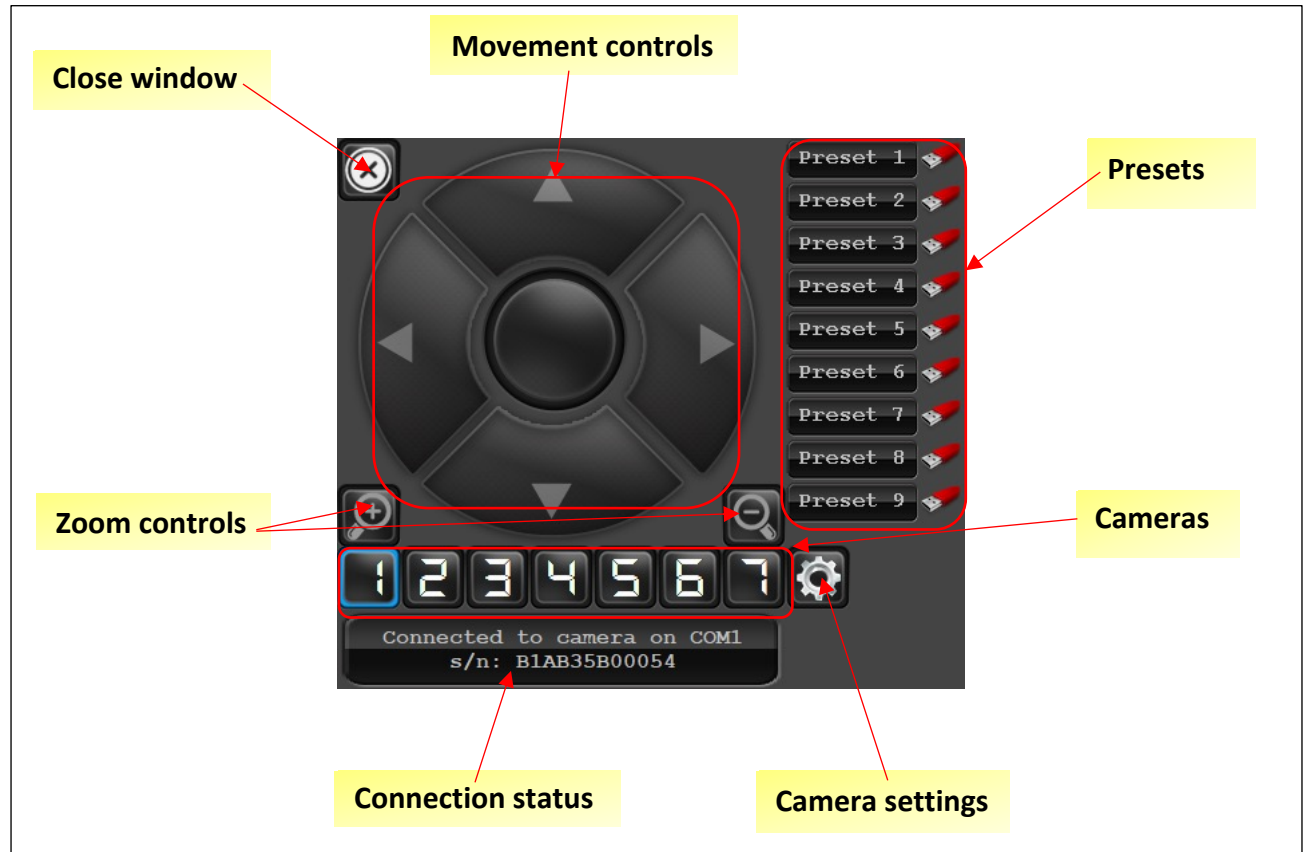
Show Camera Controls will open the main controller window. You can also (on Windows and Linux) double click on the icon to achieve the same result.

Camera Settings, when connected to a camera, will allow you to change some aspects of the camera.

About just informs you what the application is and, more importantly, the version.

Exit closes the application.

So, to start, let's connect to a camera. To do this, open the Camera Controls window:



First thing to do is to connect to a camera. The numbered buttons, 1 to 7, refer to the seven potential cameras. In some setups, cameras can be daisy chained and connected to the same serial port. Therefore, if you only have the single camera connected, you will be connecting to camera 1. By clicking on one of these buttons the application will test each serial port for the presence of a VISCA enabled camera. Once it finds one, details will be displayed, along with the serial port used. These details will depend on what the camera supplies. In the case of a Cisco/Tandberg camera (as shown above) this will be the serial number.

You can now move the camera, pan and tilt, or zoom in and out. Presets are available to store pan and tilt positions, along with zoom factors. Note that these presets are not stored on the camera, but on the computer it is running on. The Sony VISCA specifications do not allow for presets within the camera. Next to each preset button is a separate button used to store the setting.

In the centre of the movement controls is a reset button. This will disconnect the connected camera.

Camera Settings

Clicking on the cog button (or the main menu item) will open the camera settings window:

Camera Settings

Camera serial number: B1AB35B00054

Camera Power:
☒ On
☐ Off

Auto Focus Sensitivity:
☐ Normal
☐ Low

White Balance Mode:
☒ Auto
☐ Indoor
☐ Outdoor
☐ One Push WB

☐ ATW
☐ Manual
☐ Manual (Table)

Auto Exposure Mode:
☒ Full Auto
☐ Manual
☐ Shutter Priority
☐ Iris Priority
☐ Bright

Slow Shutter Mode:
☐ Auto
☐ Manual

Exposure Compensation Mode:
☐ On
☐ Off

Back Light Mode:
☐ On
☒ Off

Mirror:
☐ On
☒ Off

Flip:
☐ On
☒ Off

Gamma:
☒ On
☐ Off

Call LED:
☐ On
☒ Off
☐ Blink

Power LED:
☒ On
☐ Off

Red Gain:

Blue Gain:

Shutter Position:

Iris Position:

Gain Position:

Brightness Position:

Exposure Compensation Position:

Aperture Gain:

Pan Speed:

Tilt Speed:

Zoom Speed:

Some settings may be greyed out. These are not recognised by the camera and so, therefore, cannot be set/adjusted. Those that can be set may not be able to be set to all of the provided options. The setting or adjustment is done 'live' – i.e. it will be sent to the camera as it is set or adjusted. The only exceptions are the pan, tilt and zoom speeds. These three are used when moving or zooming the camera.

Point to note – **Camera Power** does not turn a Cisco/Tandberg PrecisionHD on or off, but just resets it.