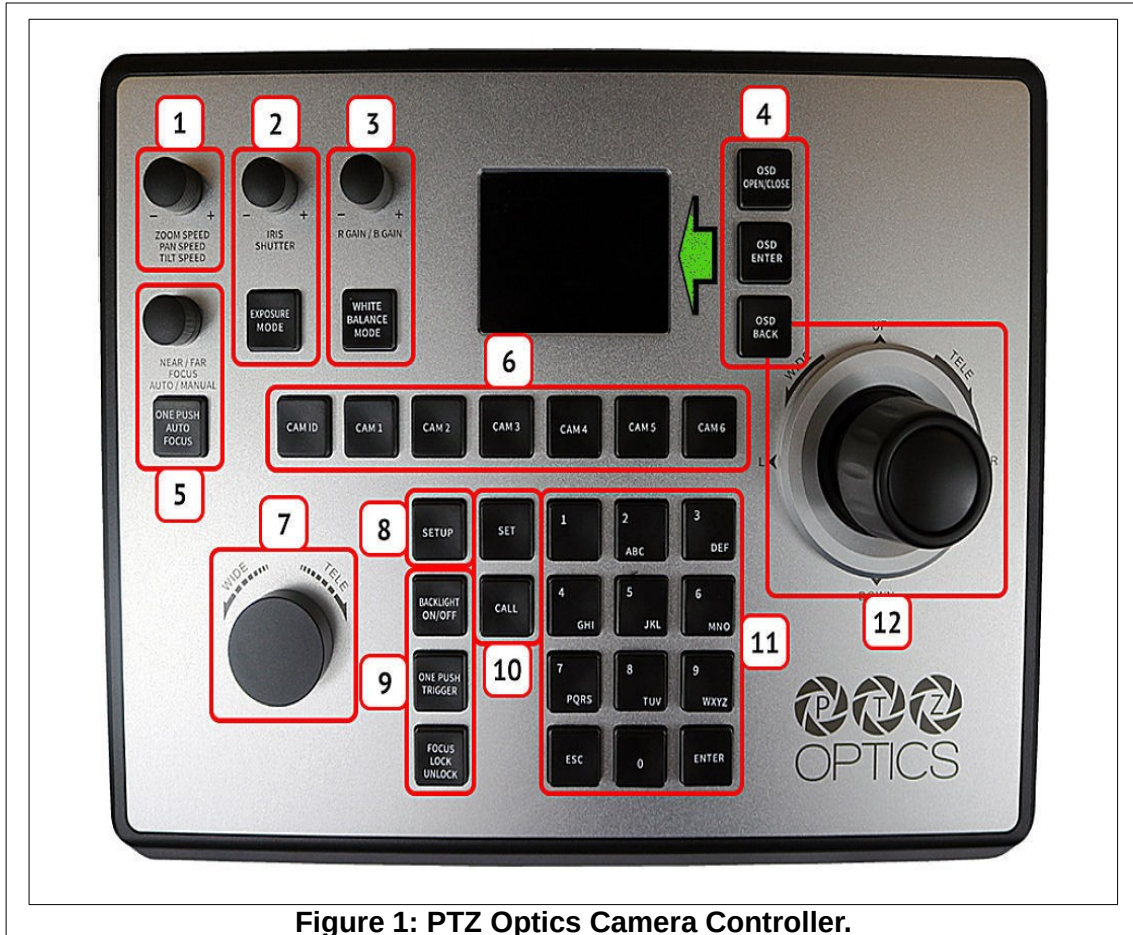# PT Joy 54 Instructions



**Figure 1: PTZ Optics Camera Controller.**

## Control Function Layout

1. Zoom and Pan speed. Push down to switch function.
2. Exposure Control
3. White Balance Control
4. OSD (On Screen Display) options. OSD refers to the small info display windiow.
5. Focus Control.
6. Camera select buttons.
7. Zoom Control.
8. Setup button.
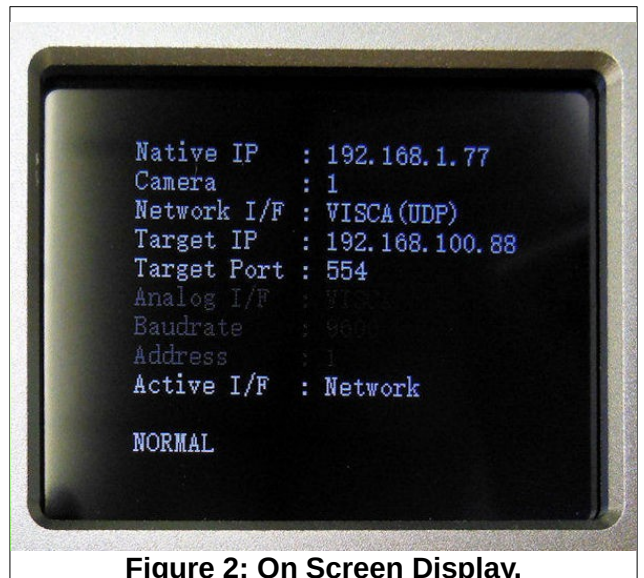9. Fine Tune Video Control.
10. Preset buttons, 1 to 0.
11. Keypad.



**Figure 2: On Screen Display.**

12. Joystick Controller.

➢ To select a camera: press camera button (6). Current selected camera number will appear in the OSD.
➢ Use the Joy Stick (12) to pan; left, right, up, down.
➢ Turn the Joy Stick knob (12) to zoom in and out.
➢ Use the Wide-Tele knob (7) to zoom in and out.
➢ You can pan with the Joy Stick and at the same time zoom with the Wide-Tele knob.
➢ To select a preset, press number button 1 through 0 (11).
➢ To change or set a preset, first adjust the camera to the desired position. Then press and hold the desired preset button until the preset note in the on screen display window disappears.

## Button & Dial Descriptions

The below descriptions will describe the buttons and dials available on the controller.

### 1. Speed Control

The Speed Control section allows you to adjust the speed at which you pan, tilt, and zoom the camera.

a. [SPEED] Knob

Twist the Speed Control knob to increase or decrease the set control speed.

Press the Speed Control knob in to cycle through zoom, pan, and tilt speeds options.

Zoom Speed Range: 1 - 7

Pan Speed Range: 1 - 24

Tilt Speed Range: 1 - 20

### 2. Exposure Control

The Exposure Control section allows you to adjust the exposure settings of the camera.

a. [IRIS / SHUTTER] Knob

Twist the [IRIS / SHUTTER] knob to adjust the Iris / Shutter value.

Press the [IRIS / SHUTTER] knob to toggle between Iris and Shutter adjustments.

b. [EXPOSURE MODE] Button

Press the [EXPOSURE MODE] button to cycle through Exposure modes.

Options include: Auto, Manual, Shutter Priority, Iris Priority, & Brightness Priority.

### 3. White Balance Control

The White Balance Control section allows you to adjust the white balance settings of the camera.

a. [R GAIN / B GAIN] Dial

Twist the [R GAIN / B GAIN] knob to adjust the Red Gain / Blue Gain value.

Press the [R GAIN / B GAIN] knob to toggle red gain and blue gain adjustment control.

b. [WHITE BALANCE MODE] Button

Press the [WHITE BALANCE MODE] button to cycle through the White Balance Modes.

Options include: Auto, Indoor, Outdoor, One Push, & Manual.

## 4. Camera OSD Control

The Camera OSD Control section allows you to open and adjust the camera's on screen display menu.

a. [OSD OPEN / CLOSE] Button

Press the [OSD OPEN / CLOSE] button to open and close the on screen display menu.

Move the joystick up, down, left, and right to traverse the camera's OSD menu.

b. [OSD ENTER] Button

Press the [OSD ENTER] button to select an OSD menu option.

c. [OSD BACK] Button

Press the [OSD BACK] button to go back an OSD menu option.

## 5. Focus Control

The Focus Control section allows you to adjust the focus value of the camera.

a. [NEAR / FAR FOCUS] Dial

Twist the [NEAR / FAR FOCUS] dial to focus the camera's image on your scene.

Press the [NEAR / FAR FOCUS] dial in to toggle Auto Focus and Manual focus modes.

b. [ONE PUSH AUTO FOCUS] Button

Press the [ONE PUSH AUTO FOCUS] button to automatically focus the image on the scene while staying in Manual Focus mode.

## 6. Camera Select

The Camera Select section allows you to select a camera to control.

a. [CAM ID] Button

The [CAM ID] button allows you to select any camera on the controller using the alpha-numeric keypad.

b. [CAM #] Button

The [CAM #] button allows you to quickly select a camera to control.

Options include: 1 - 6

## 7. Zoom Control

The Zoom Control sections allow you to zoom the camera in and out of the scene.

a. [FINE TUNE ZOOM] Knob

The [FINE TUNE ZOOM] knob allows you to finely zoom the camera in and out at the lowest speed (1) setting.

## 8. Controller OSD Setup

The Controller OSD Setup allows you to adjust the settings of the controller.

a. [SETUP] Button

Press the [SETUP] button to open the joystick's OSD menu.

Refer to the Joystick OSD Menu Control section of this guide for more information.

## 9. Fine Tune Video

The Fine Tune Video section allows you to quickly change the camera's video settings.

a. [BACKLIGHT ON / OFF] Button

Press the [BACKLIGHT ON / OFF] button to toggle the camera's backlight compensation mode.

b. [ONE PUSH TRIGGER] Button

Press the [ONE PUSH TRIGGER] button to trigger the camera to calculate the scene's white balance value.

c. [FOCUS LOCK / UNLOCK] Button

Press the [FOCUS LOCK / UNLOCK] button to lock or unlock the camera's focus value from the current position.

## 10. Preset Control

The Preset Control section allows you to set and call presets of the cameras.

a. [SET] Button

Press the [SET] button to set a camera preset. Use the alpha-numeric keypad to set a preset number.

b. [Call] Button

Press the [CALL] button to call a camera preset. Use the alpha-numeric keypad to call a preset number.

c. Quick set preset shortcut

Press and hold a number on the alpha-numeric keypad for 3+ seconds to set a camera preset in the current location for that preset number.

d. Quick call preset shortcut Quickly press a number on the alpha-numeric keypad to call a camera preset.

Refer to the Setting and Recalling Presets section of this guide for more information.

## 11. Alpha-numeric Keypad

The alpha-numeric keypad allows you to use many of the controller features that require numbers and letters, such as adding a camera from the controller OSD.

## 12. Joystick Controller

The joystick controller allows you to pan, tilt, and zoom (twist) the camera. The control speed is affected by the Speed Control dial settings.