

Epson 850z

Recommended Camera Settings for Oneshot360™

- **Manual Programming Mode:** Put the camera is in Manual Programming Mode. To do this, turn the camera on to the Info/Set mode, which is indicated by a lower-case letter "i" on the dial (3 notches below "Off"). Press the "MENU" button located below and to the left of the color LCD screen to see the current settings. The programming mode button is on the left of the LCD screen, the second button from the top. Choose **Manual**.
- **Capture mode:** Turn the camera on to the capture mode which activates the color LCD screen (two notches above "Off" on the dial)
- **Resolution:** Use the **Hypict** resolution mode for best results. There are 3 buttons located near the camera On/Off/Mode switch on the top of the camera. The resolution button with the star-symbol is the one to press to scroll through the 4 resolution settings. "Hypict" mode is the mode for which 3 stars and the letter "H" appear on the camera LCD screens.
- **Flash:** Disable the flash on your Epson PhotoPC 850Z. The flash mode button is located directly below the image resolution button.
- **Timer:** The button to set the timer is located directly below the flash mode button. The timer must be re-enabled after each shot.
- **Zoom:** Zoom in until the circular OneShot360 image **exactly** fills the digital camera LCD viewer screen. If you zoom in too much, you will lose part of the field of view. If you zoom in too little, you will not get maximum resolution. Note also that the OneShot360 image may not be exactly centered in the LCD screen – this is normal. The zoom control dial surrounds the shutter release button on top of them camera. You must re-calibrate the zoom level after powering the camera down.
- **Aperture Priority Mode:** Place the camera in aperture priority mode. To scroll through the available exposure modes, press the uppermost button to the left of the color LCD screen. The exposure mode automatically switches back to its default, "Auto Exposure", when the camera is turned off and then on again. You must re-enable aperture priority mode after powering down.
- **Aperture:** Choose an aperture setting of **f/8**. Use the two buttons to the right of the "MENU" button, below the color LCD screen, to scroll through the available aperture settings.

- **White Balance:** Set the white balance to **Automatic** by pressing the button located on the back of the camera labeled W.B. until AUTO is shown on the LCD screen.
- **Focus:** Use a focus setting of **10 feet**. Press the button beneath and at the far right of the color LCD screen (beneath where it says "Menu Change" on the LCD). Now, in the new menu screen which appears, the buttons on the left side of the color LCD screen labeled "+" and "-" allow you to scroll through the available focus settings. When the symbol of three figures appears, you have selected focus distance of 10 feet.

Recommended Camera Settings for 360Plus

When taking 360x360 images, follow all of the above instructions, and the additional instructions below.

The 360Plus uses 4 images; make sure that all 4 images have the same exposure. This will ensure the end result will have a continuous tone and density throughout the image. The best way to do this with the Epson850z is to:

- Try to make the scene as evenly balanced with the same type of light as possible. For example, close window shades to avoid harsh uneven lighting, and turn on interior lights to try to balance the brightness.
- Setting the white balance to a fixed setting will keep the camera from shifting the white balance between shots. To do this, press the W.B. button until FIX is shown on the LCD screen. This will make sure all the images taken will have a fixed white balance.
- Make sure your exposure is even in all 4 shots. Press the menu button to see the camera settings. In aperture priority mode, set the f-number to f8, and then press the shutter half way down until you see a meter reading on the LCD screen. It should display the shutter speed needed (in a yellow color) for a proper exposure. Please take a note of it. Now, switch the mode from Aperture priority to Manual Exposure. Reset the f-number to f/8, and then set the shutter speed to the speed you noted earlier, by using the "+" and "-" buttons. Use these settings for all 4 shots.
- Use the self –timer to remove yourself from the scene.
- Use the bubble level to set the lens mount to a level position before taking the first shot.
- Do NOT re-level between shots. It is normal for the bubble level to shift between shots. Re-leveling is not necessary and not recommended.
- When processing 360 Plus images in the RemoteReality software, use the Epson 850z camera selection.



Camera Guide

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Optional Camera Settings

You may wish to change the period of time that passes before the camera automatically shuts itself off. To do this, turn the camera to the Info/Set mode, which is indicated by a lower-case letter "i" on the dial (3 notches below "Off"). Under "Camera SETUP", press the button nearest the words "PowerSave" on the color LCD screen. The options are 10 seconds, 30 seconds, 1 minute, 3 minutes and 5 minutes.