

FLIR I5 INFRARED CAMERA

This guide covers the major features of this product - it does not cover all of the available functions. This guide is not intended to replace the original equipment manual. Please refer to the manual for more detailed operating instructions and safety information.

CAUTION!

Do not point at the sun or other high intensity radiation such as lasers!

EQUIPMENT DESCRIPTION

The Extech i5 [1] is a camera that is able to take photos of the infrared spectrum. As objects increase in temperature, the amount of infrared radiation emitted increases, so an infrared camera can be used to measure the temperature of objects – which is why they are often referred to as thermal imaging cameras. This feature can be used to quickly identify areas where thermal energy is being lost.



Figure 1: Extech i5 Infrared Camera

TURNING ON THE CAMERA

Press and hold the white power button (on the right side of the keypad) [2]. Make sure the lens cap [3] is open by adjusting the lever underneath the lens [3]. The camera will take 15-20 seconds to power up.



Figure 2: Keypad



Figure 3: Lens Cap and Lens Cap Control Lever

OPERATION

The temperature displayed in the upper left corner of the screen is that of the object inside of the circle in the centre of the screen.

A temperature scale is shown at the bottom of the screen which indicates the temperature range of objects on the screen, and indicates the approximate temperature associated with each colour. Blues and greens are used to indicate cooler areas, while reds, yellows, oranges and white are used to indicate warmer areas.

The temperature scale will change as you move the camera, so an object that appears red in one screen is not necessarily the same temperature as a red object somewhere else.

SAVING IMAGES

Use the trigger button [4] to record an image. The image is saved to a MiniSD card that can be removed by pushing on it gently. The MiniSD card is located under the connector cover [5] on the side of the camera.



Figure 4: Trigger



Figure 5: Connector Cover

TRANSFERRING IMAGES TO COMPUTER

To transfer pictures to a computer camera either remove the MiniSD card from under the connector cover [5] and insert into a MiniSD card reader or connect the included USB cable to the associated port under the same cover and connect to a computer. The computer should detect the camera as it would with any other digital camera, and allow transfer of the photos accordingly.

CHARGING THE CAMERA

To charge the camera battery, use the included power adapter and connect to the power supply port under the connector cover [5]. During charging the LED beside the port will be orange. This will change to green when charging is complete.

The battery indicator is located in the upper left corner of the screen when turned on.