







1. **MEMORY:** Insert a microSD card into the center slot under the rubber memory cover (Fig. 1).
2. **POWER:** Open the battery cover on the bottom of the handle and insert a charged battery.
 - The battery is charged by the included battery charger or by connecting the power supply directly to the battery while in the camera (small cover in the center of the battery cover).
 - When the battery is fully charged the indicator LED (on the end of the battery) is lit continuously.
3. **START:** Press the On/Off button, the power Indicator will glow while powered up.
4. **FOCUS:** Focus is optimized by manually rotating the focusing ring around the infrared camera lens.
5. **AUTO ADJUST:** (Level & Span) **Note:** that this camera has Picture-in-Picture capability, while learning the basic camera functions stay in the full Infrared Mode. If not in full Infrared mode press the Left Select (Menu) Button to show the menu (Fig.2). Using the Navigation Pad to move up and down, highlight Camera then press the Left Select Button again. Now use the Nav. Pad to highlight Infrared and select.
 - In the lower right portion of the LCD screen, either an “A” (Auto mode) or “M” (Manual mode) will be displayed. Press the Right Select Button (Man/Auto) if “M” is currently showing. When the “A” appears the camera will continually auto adjust the level and span of the infrared image.
6. **MANUAL ADJUST:** (Level & Span)



QuickStart: FLIR i40, i50, i60 b40, b50, b60

- Press the Right Select Button (Man/Auto) until the “M” appears in the lower right portion of the LCD. (Fig.2)
- Manually adjust Level and Span by selecting one of these three Icons  by pressing the Navigation Pad left or right.
 - Select the  icon, then pressing up/down to adjust the upper and lower temperature values at the same time.
 - Select the  icon, then press up/down to adjust the lower temperature value.
 - Select the  icon, then press up/down to adjust the upper temperature value.

7. PAUSE IMAGE: There is no pause or freeze function, You must first save an image then recall it (see below).

8. SAVE IMAGE: Pull and release the Trigger.

9. RECALL IMAGE: Press the Camera/Archive Button then do one of the following.

- To display and find a single saved image press the Navigation Pad left/right.
 - To open an image press Open.
- To display thumbnails of all saved images press the Navigation Pad up/down.
 - To select the thumbnail you wish to open use the navigation Pad up/down/left/right.
 - To open an image press Open.

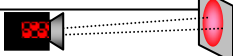
10. PALETTE: Press the Left Select (Menu) Button to show the menu (Fig.2).

- Using the Navigation Pad to move up and down, highlight Color palette then press the Left Select Button again.
 - Now use the Nav. Pad up/down to highlight the desired palette.
 - Press select again to change the palette, close the menu and return to the image.

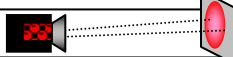
11. RANGE:

- The b series have a single temperature Range: -4 to +248°F (-20 to +120°C)
- The i series have a two temperature Ranges: -4 to +248°F (-20 to +120°C) 32 to 662°F (0 to 350°C)
 - To change the temperature range (i series only) press the Left Select (Menu) Button to show the menu.
 - Highlight the Settings menu option using the Navigation Pad up/down, then press select.
 - Highlight the Temperature Range menu option then press select.
 - Highlight the desired temperature then press select to execute change and return to a live image.

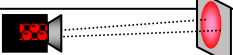
i40 & b40 Cameras

I FOV =3.64mRad (Theoretical with 120 x 120 Detector and standard 25°x25° lens)  Detect 1in. target @ 22.8ft.

i50 & b50 Cameras

I FOV =3.12 mRad (Theoretical with 140 x 140 Detector and standard 25°x25° lens)  Detect 1in. target @ 26.7ft.

i60 & b60 Cameras

I FOV =2.42mRad (Theoretical with 180 x 180 Detector and standard 25°x25° lens)  Detect 1in. target @ 34.4ft.