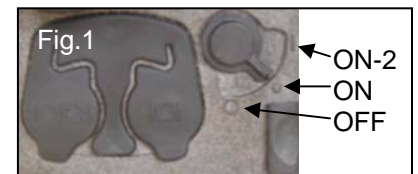


QuickStart: Electrophysics EZTherm Raytheon 400D, 500D



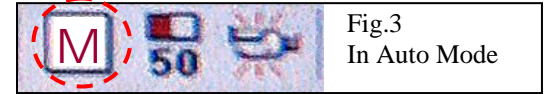
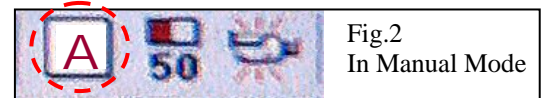
IMPORTANT NOTE: There are many ways to navigate through the functions, settings and menus of this camera. The following instructions are for use of the stylus and touch screen display, you can also use the Camera and PDA buttons as noted in the images above. Touching the [?] icon will also display a help menu to remind you of the PDA display menus and button functions. Also understand that the camera button functions change when not using the PDA (see the owners manual).

- MEMORY:** Make sure that a memory card has been inserted into the top of the PDA (card type may vary with PDA model).
- POWER:** Slide a fully charged battery into position on the back of the camera, the battery should lock into position. Slide the iPAQ PDA (models may vary) into the docking bracket on top of the camera. Pull docking bracket knob out, orient to the desired angle then push knob in.
- START:** Turn on the camera by placing the ON/OFF switch (Fig.1) in the center ON position. NOTE: The ON-2 position starts the viewfinder which is not needed when using the PDA and will drain the battery much faster.
 - Turn the PDA on by pressing its On/Off button on the top front of the PDA. "PocketIR" application should start and display a live infrared image.
 - If an image does not appear, confirm that the camera's software program has loaded by opening the "Programs" menu and selecting the "camera icon" with the Stylus.
- FOCUS:** Focus is achieved manually by gripping the outer lens barrel and twisting either clockwise or counterclockwise.



QuickStart: Electrophysics EZTherm Raytheon 400D, 500D

5. **AUTO ADJUST:** In the lower portion of the PDA display either an red “M” (manual) or “A” (auto) will be displayed. Selecting the “A” or “M” with the stylus will switch the camera to that mode. Note: this can be a bit confusing because when the “A” is displayed you are actually in the Manual mode and in the Auto mode when the “M” is displayed (Fig 2 & 3).



- If the red “M” is displayed you are in Auto mode and the camera will continuously adjust Level and Span (Brightness and Contrast)

6. **MANUAL ADJUST:** With the stylus touch the “A”/“M” (see Auto Adjust above) so that the “A” is displayed.



- Touch the Camera Settings icon (fig.4) to display the drop menu box toward the top and left of the display.
- Touch the small arrow next to the menu titles to display the [“Contrast” or “TSpan”](Span) and [“ Brightness” or “TCenter”](Level) menus.
- Select your choice and use the stylus to move the slider bar to adjust (Fig.5) the values on the left. It might take 2-3 seconds for changes to take place.
- Touch the Camera Settings icon again to return to the thermal image.



7. **PAUSE IMAGE:** Touch the pause/run icon (Fig.6); the image will freeze and the Icon will change to the run icon (a triangle pointing to the right). Touch again to return to a live image.



8. **SAVE IMAGE:** First, pause the image as above.

- Touch “File” menu, then touch “Save” item from the drop down list.
- Touch “OK” at the top right corner to return to live “PocketIR” application.

9. **RECALL IMAGE:** Touch File to display the drop down menu choices.

- Touch “Open” to view the last saved image and you will also be able locate and select and recall the desired image from this screen.
- Touch “OK” then the Camera Settings icon (Fig.4) to return to live “PocketIR” application.

10. **PALETTE:** To select a different color palette, touch the stylus within the current color palette display bar.

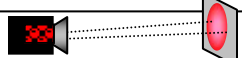
11. **RANGE:** Touch the Camera Settings icon (fig.4) to display the drop menu box toward the top of the display.

- Touch the small arrow next to the menu titles to display the “Temp Range” menu. Select and then chose the desired Temperature Range on the right.
- Touch the Camera Settings icon again to return to the thermal image

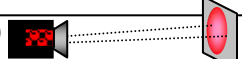
12. **EMISSIVITY&BACKGROUND:** Touch the Camera Settings icon (fig.4) to display the drop menu box toward the top and left of the display.

- Selecting either Emissivity or Background Temperature will allow you to change their value.
- To return to the thermal image tap the Camera Settings menu icon.

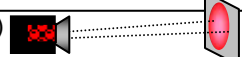
Electrophysics EZTherm

IFOV =1.36 mRad (Theoretical with 320x240 Detector and standard 25°x18° lens)  Detect 1in. target @ 61ft.

Raytheon 400D

IFOV =1.96 mRad (Theoretical with 320x240 Detector and standard 36°x27° lens)  Detect 1in. target @ 42ft.

Raytheon 500D

IFOV=.98 mRad (Theoretical with 320x240 Detector and standard 18°x13.5° lens)  Detect 1in. target @85ft.