

QuickStart: FLIR ThermoCAM PM X90 (also formerly called Inframetrics ThermoCAM)

1. **MEMORY:** To store images, you must first insert a PCMCIA storage card in the slot; open the small door on the back of the camera and gently slide it in until it snaps into place.
2. **POWER:** If you are using the LCD screen, attach it to the back of the camera and connect the video cable. If you are using the viewfinder, attach it to the slide on top, and connect the video cable. Slide the viewfinder all the way toward the back. Use care when connecting the video cable as the connection is a weak point.
 - Connect the battery to the camera by gently sliding it into the bracket on the back. If you are using the LCD, attach it to the back of the LCD bracket. Push the button to release the battery when changing or removing it.
3. **START:** Slide the switch on the front left side of the camera into the ON position. You should hear the camera begin to make noise as the cooler starts operating. Approximately seven or eight minutes is required for cool down. The screen will display a cooling message until it is ready to use.
4. **FOCUS:** Adjust the small diopter lever on the side or bottom of viewfinder until the letters on the screen are in focus. This adjustment will need to be made for each person using the camera.
 - Focus the image by rotating the FOCUS RING on the lens. Try focusing to various distances.
 - If you are familiar with setting the system parameters, do so now in the setup menu by pressing the SETUP key. If you are not familiar with this, move on and learn about them later.
 - When the camera has cooled down as indicated on the screen, slide your right hand up in the hand strap, adjust comfortably, and remove the lens cap. *We recommended using the neck strap.*
5. **AUTO ADJUST:** Press the AUTO SPAN key to automatically get the best image.
 - You may need to press AUTO SPAN again *after* you are focused.
 - You can fine tune an image by using the CENTER TEMP and SPAN keys on the top of the camera to adjust thermal level and span.
6. **PAUSE / SAVE IMAGE:** To store images, you must first insert a PCMCIA storage card in the slot; open the small door on the back of the camera and gently slide it in until it snaps into place.
 - Next, slide the button under your right thumb into the S position. Press the S-button (STORE) momentarily to FREEZE the image.
 - Press it again to STORE the image. A prompt on the screen will indicate the image has been stored.



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7. RECALL IMAGE: Press RECALL to retrieve the image you just stored. The CURSOR keys on top will help you navigate to the image.

- To change directories (A,B,C, etc), press either the EMISSIVITY or RECALL buttons (depending on the model you have).
- When you have selected the image you want, using the CURSOR KEYS (⌂) on top, press RECALL again and it will be displayed.
- To return to a live image, press the MODE key.

NOTE: you can play stored images without cooling the

camera by sliding the power switch into the PLAYBACK position and waiting approximately one minute.



Cursor keys

Center temp

8. PALETTE: While in the IMAGE mode, the CURSOR KEYS on top will change the color palette. Try all the different choices. Note the key on the side B&W/COLOR allows you to access color palettes.

9. RANGE: The AUTO RANGE feature (if you have one) will automatically put the system in the right range. You can also move manually to other ranges by pressing the RANGE key.