This section is dependent upon the orientation of your panning arrows. ParkerVision uses the default orientation for the examples on this page.
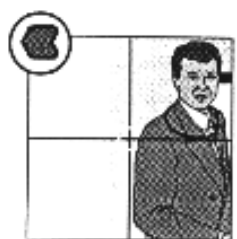
Subject Position Arrows

In autoTRACK mode, press any of the four directional **Subject Position** arrows to adjust your location in the current autoTRACK View. Pressing the up, down, right, or left arrows changes the subject's position in the video frame.

If the subject appears too low in the frame...

...press the UP arrow to raise the subject's position.

If the subject appears too far to the right in the frame...

...press the LEFT arrow to move the subject's position.


Subject
Position
arrows

Manual Pan/Tilt Arrows

Press the up, down, right, or left **PAN/TILT** arrows to pan or tilt the autoTRACK camera in that direction.

! By pressing any of the **PAN/TILT** arrow buttons in the Camera Control section of the Tracking System Keypad, you disengage the autoTRACK mode.

♀ To reactivate the autoTRACK mode, press any of the four **autoTRACK View** buttons. This engages the autoFIND mode. When the presenter is in the field-of-view, CameraMan locks onto *line-of-sight* tracking in the view selected.
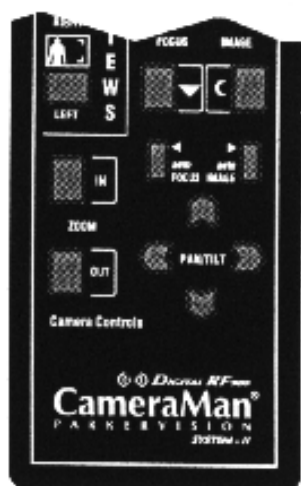
Manual
Pan/Tilt
arrows

Using autoFIND and Tracking Freeze

These Presenter Camera System features help you take control of your presentations.

autoFIND

When you press an **autoTRACK View** button to enable autoTRACK, the CameraMan automatically begins panning toward **HOME** (see page 21), looking for the Tracking Ring Sensor. This process is known as **autoFIND**.

Once CameraMan reaches **HOME**, it stops if you are not in the field-of-view. Once you enter the field-of-view...

...the camera moves to lock onto line-of-sight tracking.
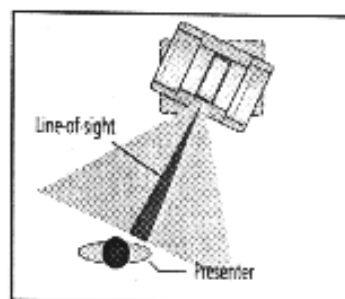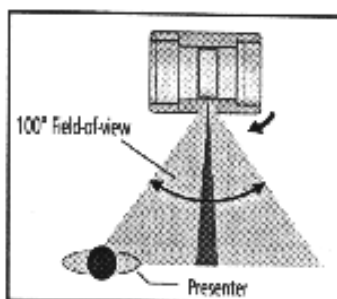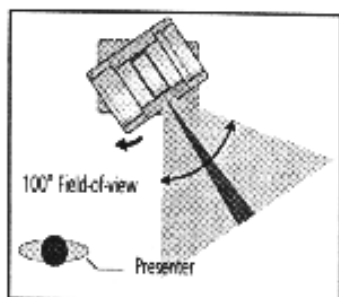
! If you are not in the autoTRACK mode and are out of the field-of-view, you must press any of the four **autoTRACK View** buttons to activate **autoFIND**. The **autoTRACK** light on the CameraMan's display panel begins blinking until the camera moves to lock onto line-of-sight tracking. The light remains illuminated to indicate that you are in the camera's line-of-sight.

autoTRACK Mode Status light:
- Is **ON** when locked onto line-of-sight tracking
- Blinks during autoFIND.

Tracking Freeze

While in the autoTRACK mode, the presenter can stop or freeze the camera's movement by pressing **TRACKING FREEZE**.

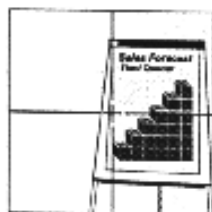**!** By pressing **TRACKING FREEZE**, the autoTRACK mode will disengage.

You may want to use this feature when making a presentation in front of a flipchart. You may be offset to the right or left autoTRACK View and be making notes on the flipchart.

Now you can press **TRACKING FREEZE** and walk away from the flipchart while still speaking. This enables the camera to freeze and lock on the flipchart so that people attending the videoconference or viewing the videotape can continue to study it while you are no longer in the video frame.

♀ To reactivate the autoTRACK mode, simply press any of the four **autoTRACK View** buttons. This engages the autoFIND mode. When you are within the field-of-view, CameraMan locks onto line-of-sight tracking in the view selected.

If you want to walk away from the flipchart and lock the camera into position...

...press **TRACKING FREEZE**, which will stop the camera's movement until you re-activate the autoTRACK function.

Location Presets enable you to make your presentations more effective by incorporating other media, such as maps, flipcharts, overheads, etc. Using the Presenter Keypad, you can store and recall a PAN/TILT position, ZOOM perspective, and an IMAGE for each Location Preset.

Home Preset

The first Location Preset position is **HOME**. You will use this Preset Location the most.

For example, you may want to program the **HOME** position at a podium or the conference room table, where most of the speaking is likely to take place. This Preset can be recalled at any time during a videoconference or videotaping session.

> **!** **HOME** is also used as a default position while in the tracking mode. This means that during tracking, if the line-of-sight between the camera and the Tracking Ring is obstructed, the camera will return to **HOME** automatically (see pages 15 and 20).

> **!** The **HOME** Preset is factory-set for the autoTRACK Camera to be facing straight ahead (in the direction of the **FRONT** label on the bottom of the camera). This factory setting can be reset by presenters to accommodate their needs.

Preset 2 and Preset 3

The other two Location Presets can be used to store key presentation areas, such as a map or other visual aids. These Presets also can be recalled at any time during a videoconference.

To SET or CHANGE Home, Preset 2, or Preset 3:

1. After selecting a Preset, use the **PAN/TILT** arrows to move the camera to the desired location.
2. Only when desired, use the manual **ZOOM** and **FOCUS** buttons to set the needed zoom perspective.
3. Only when desired, use the manual **IMAGE** (Iris and Gain) buttons to set the needed light/dark contrast.
4. Press and hold any of the three **Location Preset** buttons (**HOME, PRESET2,** or **PRESET3**) until you hear two beeps.

To RECALL a Location Preset:

- Press and release the desired **Location Preset** button (**HOME, PRESET2,** or **PRESET3**). The CameraMan moves to the preset location and recalls the information stored.

> **!** Pressing any of the **Location Presets** on the Tracking System Keypad disengages the autoTRACK mode.

> **💡** To reactivate the autoTRACK mode, simply press any of the four **autoTRACK View** buttons. The camera goes into the autoFIND mode until you are in the camera's line-of-sight. The Camera begins tracking you in the view selected.
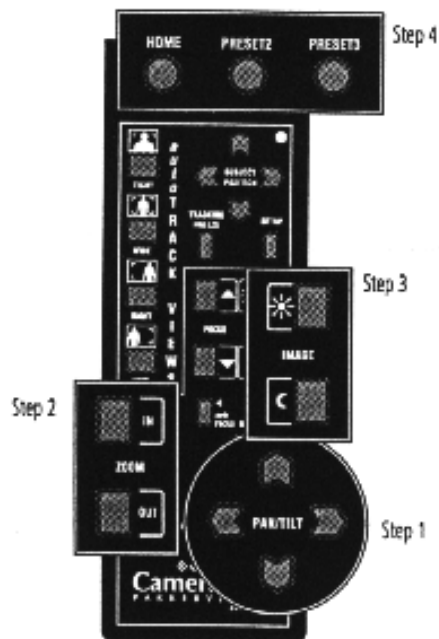
Controlling the Zoom, Focus and IMAGE

These control features help ensure that your video looks great whether you control the image or let the camera do it automatically.

Zoom Perspective

- Press **Zoom IN** for the camera to zoom in for a tighter view.
- Press **Zoom OUT** for the camera to zoom out for a wider view.

💡 The Zoom can be adjusted manually and can be stored in a **Location Preset** or autoTRACK View.
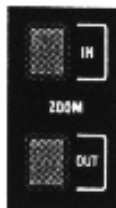
Image Settings

The **IMAGE** setting adjusts the picture brightness in the video frame.

Manual Setting

By pressing either **IMAGE** button, the camera's image control automatically becomes a manual adjustment.

To Manually Control Image:

- Press the top **IMAGE** button to open the iris.
- Press the bottom **IMAGE** button to close the iris.

💡 The image can be adjusted manually and can be stored in a **Location Preset** or an **autoTRACK View** (Dip Switch 5 on Bank B must be **DOWN**).

💡 For example, you may want to use the manual image setting when you are not fully-satisfied that the video image is as dark or light as it should be. Otherwise, the image setting will adjust itself automatically to the lighting conditions in all areas of the room.

Automatic Setting

In this mode, CameraMan will adjust the image (light & dark) for each camera view automatically.

- Press **autoIMAGE** to enable automatic operation of the CameraMan's Image function.

💡 The **autoIMAGE** can be stored in a **Location Preset** or **autoTRACK View**.

Focus Setting

The **Focus** setting adjusts the lens for visual clarity of the video picture.

Manual Setting

Pressing either **FOCUS** button puts the camera into manual Focus mode.

To Manually Control Focus:

- Press the top **FOCUS** button to adjust the lens for objects closer to the camera.
- Press the bottom **FOCUS** button to adjust the lens for objects further from the camera.

❗ The **FOCUS** setting can be used for **Location Presets** and **autoTRACK Views**.

Automatic Setting

In this mode, CameraMan will adjust the Focus for each camera view automatically.

- Press **autoFOCUS** to enable automatic operation of the CameraMan's FOCUS function.

💡 For example, you may want to use the Manual Focus setting when you are not fully-satisfied that the video image is as clear as it can be. Otherwise, the Focus setting will adjust itself to each and every camera view automatically.

Setting Up Gen Lock with Your Tracking System Keypad

You can adjust the Gen Lock settings to synchronize all video sources based on the sync pulses from one source, such as a remote camera. When you switch between cameras, you may detect a flicker on your monitor. Adjusting the Gen Lock settings enable you to remove the flicker for smooth transitions between cameras.

> **!** Place the **Gen Lock Mode Setup** card over the Keypad when adjusting Gen Lock. It provides the instructions below and highlights the buttons you will use.

Gen Lock Setup (with the overlay card)

The following procedure wil enable you to adjust Gen Lock settings with the **Gen Lock Setup** overlay card.

1. Press and hold down the buttons labeled **Gen Lock** and **Mode**. After 2-3 seconds, you will hear a beep.
2. Release the **Gen Lock** and **Mode** buttons. The **Gen Lock Setup** menu appears.

   > **!** To reset the menu items to the default values, press the button labeled **Reset**.

3. Press the **up** and **down Menu Edit** arrows to move the arrow on-screen and to select the item you want to change.
4. Press the **left** and **right Menu Edit** arrows to change the value for the following items:

Menu Item	Values
MODE	AUTO or INT (internal)
H-PHASE	-99 to +99
SC-PHASE	0 or 180
SCFINE	-99 to +99

5. To save your changes, press the button labeled **Save**.

   > **!** If the 1-CCD camera is set to **Remote** mode (Switch Bank **B**, dip switch **2**, position **UP**), then the **SC-PHASE** setting will default to the **SC-PHASE** dip switch (Switch Bank **A**, dip switch **2**, positions: **DOWN = 0°** and **UP = 180°**) setting on the camera each time the camera is restarted. If the 1-CCD camera is set to **Local** mode (Switch Bank **B**, dip switch **2**, position **DOWN**), then the **SC-PHASE** setting wil not be overwritten each time the camera is restarted.

6. Press and hold **Gen Lock** and **MODE** to exit.