

# Multiple Camera Applications

Your Camera Control Keypad can control the pan, tilt, zoom, and IMAGE for up to three separate cameras. You can control multiple CameraMan cameras in one of three modes- wireless, hard-wired, or a combination of the two. Use the following procedures to enable the keypad to work properly with multiple cameras:

## Multiple Camera Control (wireless mode)

In this mode, the keypad communicates with each camera using RF (wireless) communications.

1. Make sure your cameras are all within 60 feet/18.28 meters of the keypad.
2. Set the KEYPAD ADDRESS on your Camera Control Keypad to match the BASE UNIT ADDRESS on the first camera.


 See page 3 for more information on setting the KEYPAD ADDRESS.

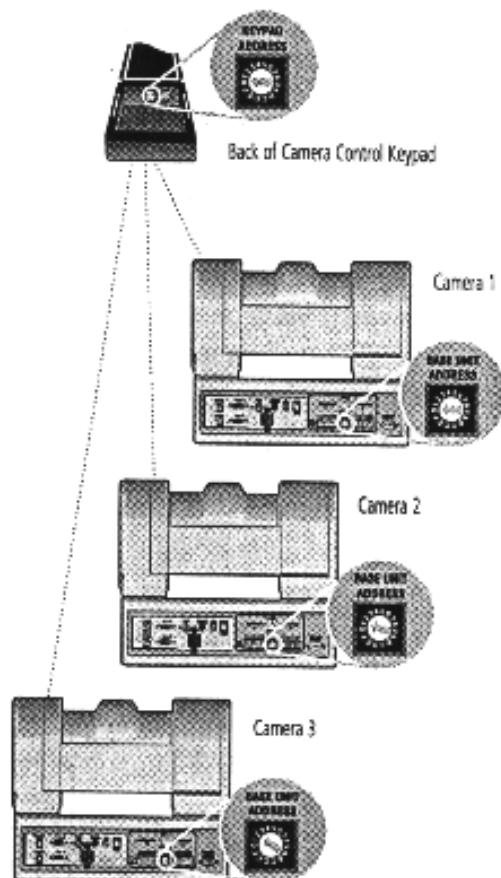
3. Set the BASE UNIT ADDRESS on the second and third cameras to successively follow the address that you used for the first camera.

**Example:**

Camera	Base Unit Address	Keypad Address
1	0	0
2	1	
3	2	


4. Set the RF Command configuration switch on cameras 2 and 3 to ENABLE (up).

 See your *1-CCD CameraMan Operations and Installation Manual* for more information on setting the configuration switches on your CameraMan camera(s).

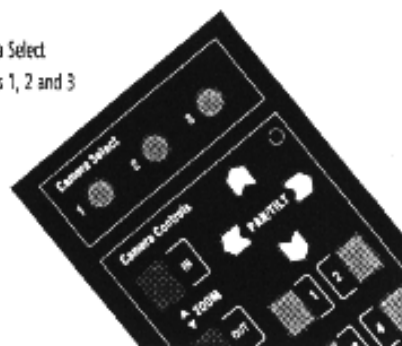


## Multiple Camera Keypad Usage

To control any of the three cameras in your multi-camera network, push one of the CAMERA SELECT buttons marked 1, 2 and 3 at the top of your keypad. Button 1 corresponds to Camera One, button 2 corresponds to Camera Two, and button 3 corresponds to Camera Three.

 All camera control and Location Preset commands are issued to the last camera selected.

Camera Select  
buttons 1, 2 and 3



## Multiple Camera Control (hard-wired mode)

In this mode, the keypad communicates with camera one (1) using the hard-wired connection. Any commands sent to cameras two or three will be received by camera one and sent to the proper camera using RS-485 communications.

1. Make sure your cameras are daisy-chained together.



See your *1-CCD CameraMan Installation and Operations Manual* for more information on daisy-chaining your cameras together.

2. Set the KEYPAD ADDRESS on your Camera Control Keypad to match the BASE UNIT ADDRESS on the first camera.



See page 3 for more information on setting the KEYPAD ADDRESS.

3. Set the BASE UNIT ADDRESS on the second and third cameras to successively follow the address that you used for the first camera.

### Example:

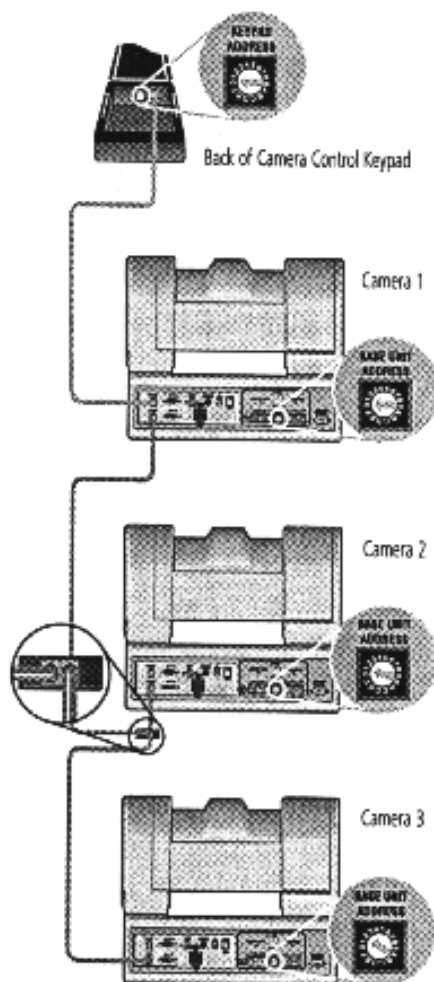
Camera	Base Unit Address	Keypad Address
1	0	0
2	1	
3	2	

4. Set the RF Command configuration switch on cameras 2 and 3 to DISABLE (down).



See your *1-CCD CameraMan Installation and Operations Manual* for more information on setting the configuration switches on your CameraMan camera(s).

5. Connect the Keypad to the PVI COM port on camera one (1) using the CameraMan Keypad Cable (hard-wired mode only).



# Multiple Camera Applications

## Multiple Camera Control (wireless and hard-wired combined mode)

In this mode, the keypad communicates with camera one (1) using RF (wireless). Any commands sent to cameras two or three will be received by camera one and sent to the proper camera using RS-485 communications.

1. Make sure camera one is within 60 feet/18.28 meters of the keypad.
2. Make sure cameras two and three daisy-chained to camera one.

 See your *1-CCD CameraMan Installation and Operations Manual* for more information on daisy-chaining your cameras.

3. Set the KEYPAD ADDRESS on your Camera Control Keypad to match the BASE UNIT ADDRESS on the first camera.


 See page 3 for more information on setting the KEYPAD ADDRESS.

3. Set the BASE UNIT ADDRESS on the second and third cameras to successively follow the address that you used for the first camera.

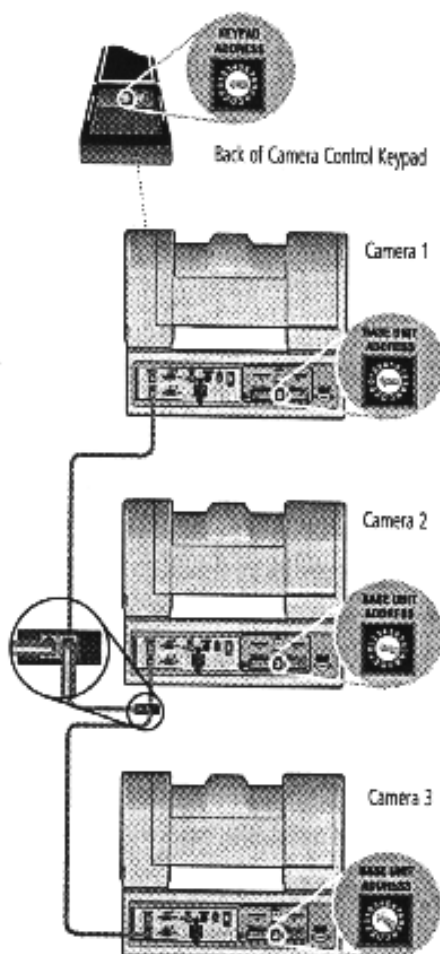
### Example:

Camera	Base Unit Address	Keypad Address
1	0	0
2	1	
3	2	

5. Set the RF Command configuration switch on cameras 2 and 3 to DISABLE (down).

 See your *1-CCD CameraMan Installation and Operations Manual* for more information on setting the configuration switches on your CameraMan camera(s).

6. Set the Interlink configuration switch on camera one to ENABLE (up).



# Operating Your Camera Control Keypad

Now that you've learned what the buttons are for and have configured them to work properly, it's time to put them to use. Here is the basic functionality of each button:

## Controlling The Image

### Manual Pan/Tilt Arrows

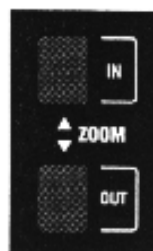
Press the **up**, **down**, **left**, and **right PAN/TILT** arrows to pan or tilt the camera according to your setup (see page 4).



### Zoom Perspective Buttons

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.




### IMAGE Setting Buttons

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

#### Manual

- Press and release the top **IMAGE** button (**sun**) to open the iris.
- Press and release the bottom **IMAGE** button (**moon**) to close the iris.


 The **IMAGE** setting can be adjusted manually and can be stored in a Location Preset.

 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 automatically adjusts itself to the lighting conditions in all areas of the room.



#### autoIMAGE

In this mode, CameraMan automatically adjusts the **IMAGE** (light & dark) for each camera view. Press **autoIMAGE** to enable automatic operation of the CameraMan's **IMAGE** function.

 An **autoIMAGE** setting can be stored in a Location Preset.



# Operating Your Camera Control Keypad

To move quickly from view to view using the Camera Control Keypad, use the location preset function on the keypad. With location presets, you can store and recall up to 99 pre-determined views by following these steps.

## Working With Location Presets

### What are Location Presets?

Location Presets are stored locations that can be recalled using the Camera Control Keypad. Each Location Preset stores the following camera control settings:

- PAN/TILT position
- ZOOM perspective
- IMAGE setting

### To Set or Change a Location Preset

1. Select the camera you want to program using the **CAMERA SELECT** buttons (if you are using only one camera, press **CAMERA SELECT 1**).
2. Use **PAN/TILT arrows** to move the camera to the desired location.
3. If desired, use **ZOOM In/Out** to set the needed Zoom perspective.
4. If desired, use the manual **IMAGE** buttons to set the needed brightness.
5. Enter a **Location Preset** number (1-99).
6. Press and hold **ENTER** until you hear two beeps.  
The two beeps indicate that the **Location Preset** has been stored.

### To Recall a Location Preset

1. Select the camera (if only using one camera, press **CAMERA SELECT 1**).
2. Enter the **Location Preset** number (1-99).
3. Press and release **ENTER**.

The CameraMan camera will move to the memorized location and recall the information stored for that Location Preset.

 Each CameraMan camera can store and recall up to **99 Location Presets**.



Step 1



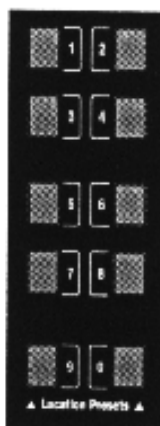
Step 2



Step 3



Step 4



Step 5



Step 6

You can use combinations of buttons to adjust the Shutter and Gain settings for each camera.



## Adjusting Shutter Settings

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1. Press **Enter** and **ZOOM IN** to adjust the **Shutter UP**.
2. Press **Enter** and **ZOOM OUT** to adjust the **Shutter DOWN**.

## Adjusting Gain Settings

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1. Press **Enter** and **IMAGE lighten (sun)** to increase the **Gain**.
2. Press **Enter** and **IMAGE darken (moon)** to decrease the **Gain**.