

# **Sony Camera EVI-D30**

**Instructions for:**

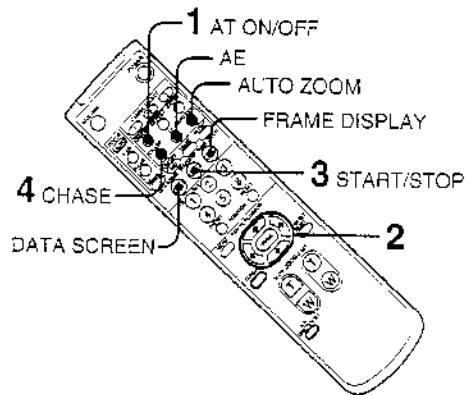
**Automatic Tracking  
Configuration for  
Instructor's Camera**

## Advanced Operations

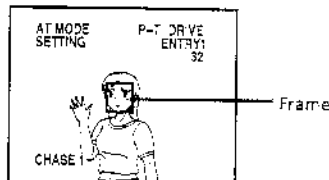
### Tracking a Subject Automatically

—AT (Auto target tracking) function

You can have the camera memorize certain color and brightness so that it automatically tracks a subject having the memorized color and brightness.

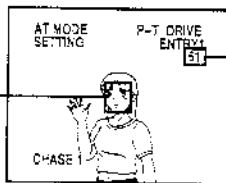


- 1 Press the AT ON/OFF button to enter into the AT setting mode. The frame and setting value appear.



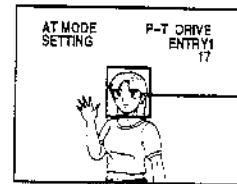
- 2 Press the arrow button to perform the pan/tilt operation so that a subject is placed into the frame.

Be sure to place the subject so that the portion uniform in brightness and color is in the frame.



The larger the value is, the more easily the camera recognizes the subject.

Example of the case when a subject is hardly recognized



The camera might not recognize a subject if the portion different from the subject in brightness and color, such as the backdrop, is placed together in the frame.

- 3 Press the START/STOP button to activate the AT function.

Try moving the subject to see if the frame tracks it automatically.



When the frame tracks the subject, proceed with the step 4.

When the frame does not track the subject, repeat the step 3 until the frame starts tracking the subject while adjusting the lighting and the position of the subject so that the color and brightness of the subject is optimized. If the frame still does not track the subject, see "If the subject cannot be recognized or captured" on page 17.

- 4 Repeat pressing the CHASE button to select a desired CHASE mode.

Each time that button is pressed, the mode is cyclically changed as follows:  
CHASE 1 → CHASE 2 → CHASE 3



MODE	Tracking method	Intended use
CHASE 1	The pan/tilt action is not performed. (Camera does not move.) The frame tracks a subject only in the range of the screen.	Used to check if the subject is recognized.
CHASE 2	The frame tracks a subject while the pan/tilt action is performed. In this mode, the subject is always placed in the middle of the screen.*	Used to perform normal tracking operation.
CHASE 3	Uses the same tracking method as that of CHASE 1 except that if a subject almost goes out of the screen, the camera performs the pan/tilt action so that the subject is placed in the middle of the screen.*	Used when you wish to limit the camera movement as possible, in such a case when you perform the image transmission.

\* The position in which the subject is to be placed can be changed from the middle of the screen. See "Changing the frame position" on page 16.

### If the frame is repeatedly extended to the full screen

The camera does not recognize the subject. Press the START/STOP button and go back to the step 2. If doing so does not solve the problem, see "If a subject cannot be recognized or captured" on page 17.

### ↳ turn off the setting value and/or frame

If the setting value and/or frame are displayed as you record a picture, those come with the recorded picture.

To turn off the setting value, press the DATA SCREEN button.

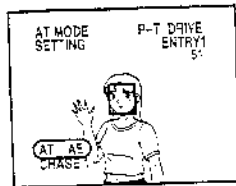
To turn off the frame, press the FRAME DISPLAY button.

### Note

Once the setting value is turned off, the setting value is not displayed until the next time you press the DATA SCREEN button. However, the setting value is displayed automatically when the unit enters into the AT setting mode for the first time after the power is turned back on.

### To keep the brightness of the subject as is (Auto back lighting function)

After the step 2, press the AE button.



To deactivate the function, press that button again.

### Note

Be sure to press the AE button before proceeding with the step 3. This function is not activated after the START/STOP button is pressed.

### To keep the size of the memorized subject as is

After the step 2, press the AUTO ZOOM button.

To cancel the function, press that button again.

### To cancel the AT function

Press the START/STOP button. The information of the memorized subject is erased.

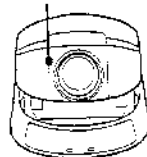
To exit from the AT setting mode, press the AT ON/OFF button.

### If the lamp at the side of the lens light up

The camera is not capturing the memorized subject correctly.

Press the arrow button to perform the pan/tilt operation so that the subject comes into the screen. Or have the subject memorized onto the camera again.

Lights up.

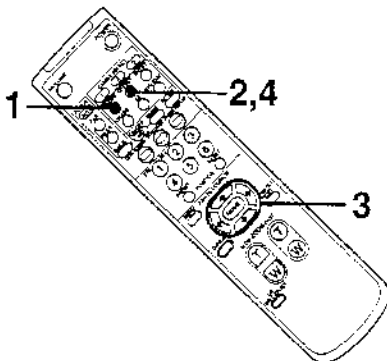


**Tracking a Subject Automatically  
(continued)**

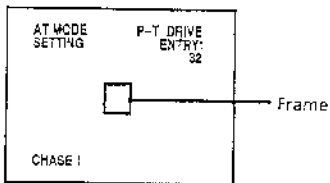
**Fine-tuning the setting**

**Changing the frame position**

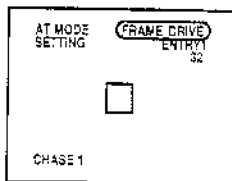
Although the frame normally appears on the middle of the screen, you can change its position to a different place. (In the CHASE 1 mode, the frame tracks a subject within the range of the screen.)



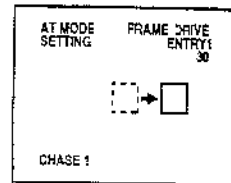
- 1 Press the AT ON/OFF button to enter into the AT setting mode.  
The frame and setting value appear. If the setting value does not appear, press the DATA SCREEN button to have the value displayed.



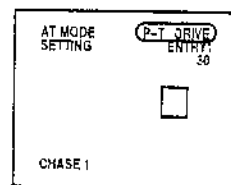
- 2 Press the OFF SET button to enter into the AT frame position setting mode.



- 3 Press the arrow button to move the frame to a desired position.



- 4 Press the OFF SET button to fix the frame position.

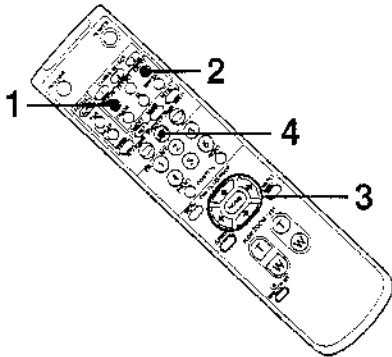


After the setting is completed, go back to the step 2 of "Tracking a subject automatically."

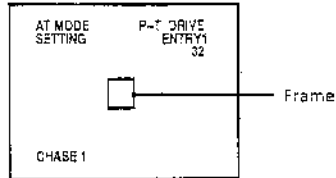
## If a subject cannot be recognized or captured

Depending on the characteristic or condition of a subject, the camera might hardly recognize the subject. If the AT function still does not work after the procedures mentioned in pages 14 and 15 are repeated, select an ENTRY mode that is matched to conditions under which the camera is used. Normally, select the ENTRY 1.

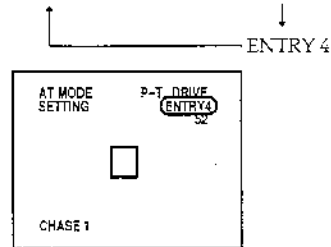
Problem	ENTRY mode to be selected
A subject cannot be recognized because its color is too thin.	ENTRY 2
The camera repeats mistakenly recognizing a near object whose color is almost identical to that of a subject. (The frame moves from the subject to an object whose color is almost identical to that of the subject.)	ENTRY 2
The camera repeats mistakenly recognizing the backdrop such as the wall or ceiling. (The frame moves from the subject to the backdrop.)	ENTRY 4
The camera does not capture a subject correctly when the brightness of the subject changes as the position of the subject changes.	ENTRY 3



- 1 Press the AT ON/OFF button to enter into the AT setting mode.  
The frame and setting value appear. If the setting value does not appear, press the DATA SCREEN button to have the value displayed.



- 2 Repeat pressing the ENTRY button to select a desired ENTRY mode. Each time that button is pressed, the mode is cyclically changed as follows: ENTRY 1 → ENTRY 2 → ENTRY 3



- 3 Have the camera memorize a subject by pressing the arrow button to move the subject into the frame.  
The position to which you place the subject varies depending on an ENTRY mode you select.  
**ENTRY 2:** Place the subject so that the portion uniform to a certain extent in color and brightness is in the frame.  
**ENTRY 3:** Place the subject so that it hangs over the frame slightly.  
**ENTRY 4:** Place the subject so that it becomes largest within the frame, its backdrop being out of the frame.

### Tracking a Subject Automatically (continued)

- 4 Press the START/STOP button to activate the AT function.

Try moving the subject to see if the frame tracks it automatically.

If you have selected the ENTRY 3, the frame flashes for about 5 seconds after the START/STOP button is pressed. Within that period, repeat changing the angle of the subject so that the camera recognizes the various brightness of the subject.

#### Notes

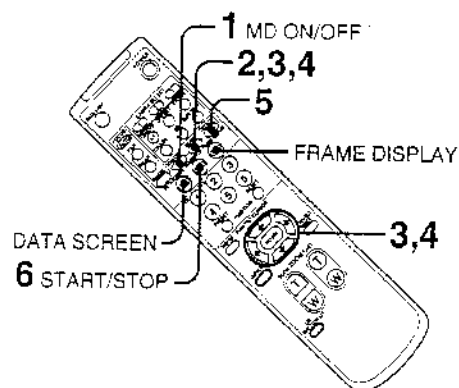
- If you use the ENTRY 2 or 4 mode for a subject that can be recognized even in the ENTRY 1 mode, the subject might be hardly recognized. This is because the color and brightness the camera can recognize are limited in the ENTRY 2 and 4 modes.
- Even if you try changing the ENTRY mode, a subject still might not be recognized depending on its characteristics. In such a case, try changing the subject to the one whose color is more bright or the one whose color is different from that of its background, or changing the lighting.
- There might be a case in which the AT function will not activated in any way depending on the size, color, brightness and so on of a subject.

## Detecting the Change Taking Place in the Picture

### — MD (Motion Detector) function

If the position of the camera is fixed, you can set the camera to detect a change taking place in a picture. When the camera detects a change taking place in the picture, the frame appears, showing the portion in which the change takes place, and the lamp at the side of the lens lights up red. (At that time, the detection signal is output from the VISCA IN.)

You can specify up to two portions in which the change is detected, by using the two frames (FRAME 1 and FRAME 2) that you can change in position and size as desired.



- 1 Press the MD ON/OFF button to enter into the MD setting mode. The frame and setting value appear.

