Icon indicators used in this manual

Operation direction	←
Attention	⚪
Lamp blinking	☀

I. BASIC OPERATION (PREPARATION)
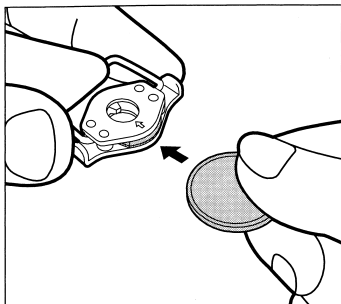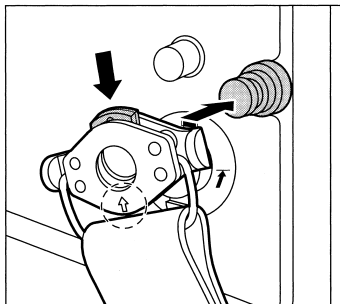
1 **2** **3**

1. **Use a coin or similar object to slide the clasp in the direction of the arrow.**
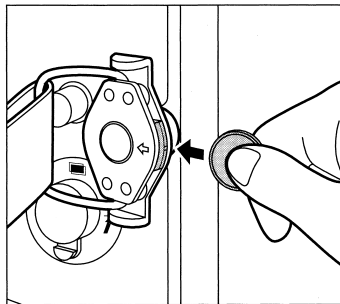2. **Put the clasp onto the strap lug of the camera with the arrow indication facing out, and slide the lock plate back to the original position.**

3. **To remove the strap, repeat step 1.**

- Adjust the length of the strap with the buckle.
- After fitting the strap and adjusting the length, pull the strap hard to confirm that the strap has securely attached to the camera.
- There is a pocket on the strap so you can store a small accessory.

Loading the Batteries

1
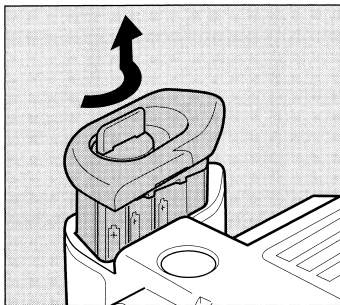
2
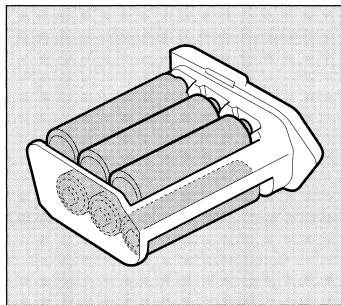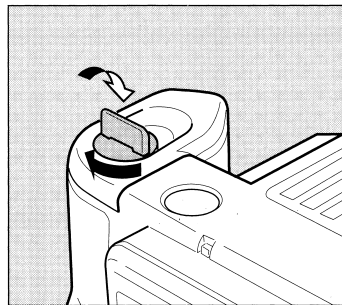
3

1. To remove the battery holder, lift the battery holder release knob and turn it in the direction of the arrow.
2. Load six 1.5V AA-size batteries in the battery holder in accordance with the diagram located in the battery holder.
3. To secure the battery holder, turn the battery holder release knob in the direction of the arrow.

- This camera requires battery power for operation. Always use six 1.5V AA size batteries.
- The ISO film speed and number of exposed frames are unchanged if the batteries are replaced.
- Keep spare batteries on hand when shooting out doors or while traveling.
- Use of the optional Remote Battery Pack 645 is recommended when the camera is used in extremely low temperatures.
- Replace all the batteries at the same time. Do not mix battery brands, types or old batteries with new ones.
- Remove batteries when not using the camera for long periods of time as the batteries may leak.

Battery life
[20°C/68°F]

|	Alkaline Battery	Lithium Battery
120 film holder:	about 130 rolls	about 320 rolls
220 film holder:	about 100 rolls	about 250 rolls
Bulb exposure time	about 8 hours	about 12 hours

Battery life
[-10°C/14°F]

	Alkaline Battery	Lithium Battery
120 film holder:	about 7 rolls	about 120 rolls
220 film holder:	about 5 rolls	about 90 rolls
Bulb exposure time	about 6 hours	about 10 hours

- The batteries were used under our testing conditions. Actual battery life and performance may vary drastically depending on external conditions such as temperature and freshness of the battery.
- Battery performance may be temporarily hindered in low temperatures, but should recover in normal temperatures.
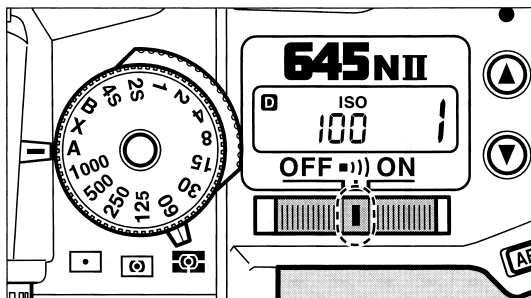
1
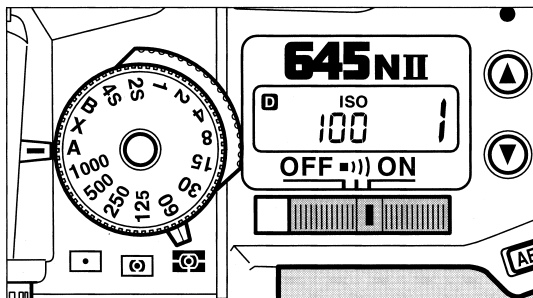
1. Set the main switch to [ON]

- When the camera is not in use, make sure that the main switch is OFF to prevent battery drain if the shutter release button is accidentally pressed.
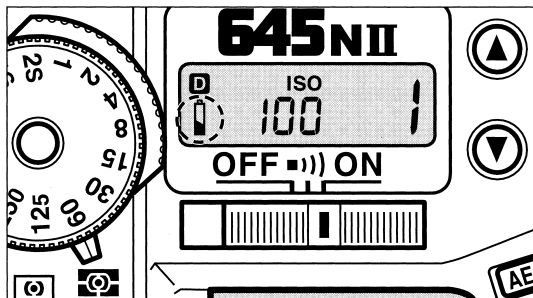
2

2. With the main switch set to ▪⑴, an audible PCV signal is heard under one of the following conditions.

- When the subject comes into focus.
- When the film is left only one frame.
- With the mirror lock-up function set.

*

*Low Battery Warning

When the batteries are nearly exhausted, the battery symbol 🔲 appears on the LCD panel as a warning. Replace the batteries as soon as possible. See page 12 for replacing the batteries.

• Even if the low-battery symbol appears, exposure will be correct as long as the shutter can be released. It is recommended to replace the batteries as soon as possible.
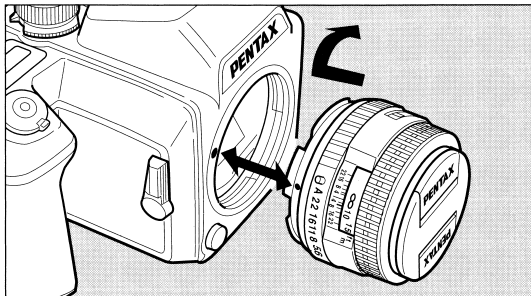
BASIC OPERATION (PREPARATION)
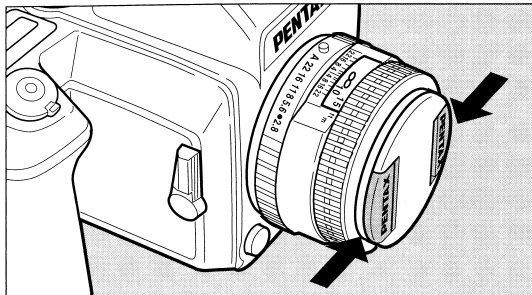
Attaching the Lens

1
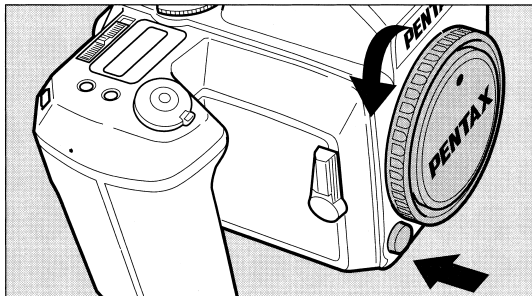
1. **Remove the body mount cap while pressing the lens unlock button.**

2

2. **Align the red dots on the camera and lens mount, attach the lens to the camera body, and turn it fully to the right until you hear a click.**

BASIC OPERATION (PREPARATION)

3

*

3. To remove the front lens cap, squeeze the tabs on the both sides in the direction of the arrow.

- With a non-autofocus lens attached, all available functions in this camera operate except autofocus operation.
- We assume no responsibility nor liability for damages resulting from the use of lenses made by other manufacturers.
- The camera body and lens mount incorporate lens information contacts and an AF coupler. Dirt, dust, or corrosion may cause damage to the electrical system. Clean the contacts with a soft, dry cloth.
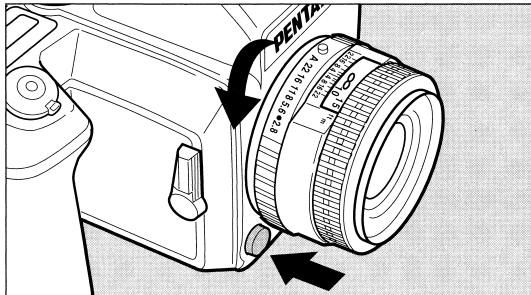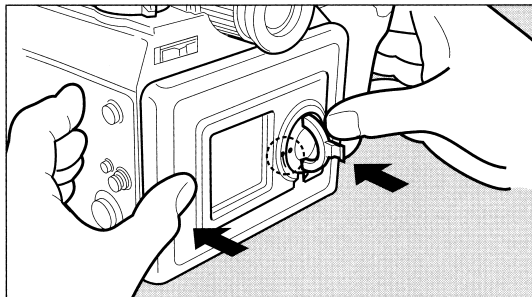
* How to remove
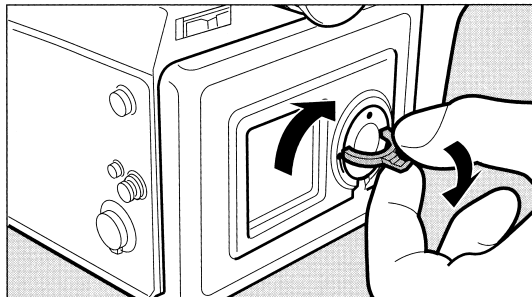**To remove the lens, turn it to the left while pressing the lens unlock button.**

- To protect the contacts and AF coupler of the lens against damage after removal, be sure to set the lens down with the mount side facing upward.
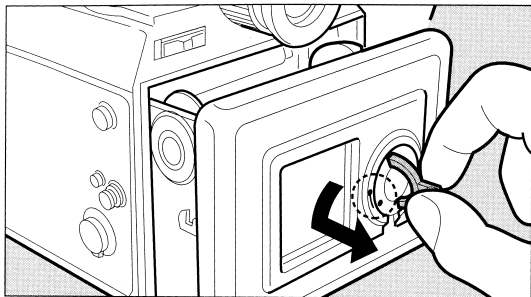
1

2

Attaching

1. **Align the red dots on the film holder knob and film holder, then insert the film holder into the camera chamber. Press both sides of the film holder until you hear a click.**

2. **Turn the film holder knob 90° to the right. After attaching the film holder to the camera, fold the film holder knob into its original position.**

1

Detaching

1. Raise the film holder knob and turn until the red dot markings align and a click is heard. Continue to turn the film holder knob to the left; the locking mechanism will release and the film holder is now detached from the camera body.
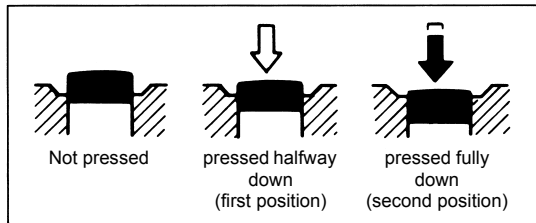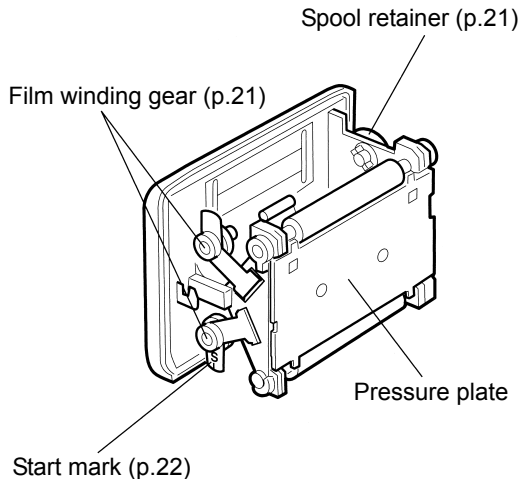
- When inserting the film holder into the camera body, be sure that the film holder is inserted all the way in order to avoid any serious damage.
- Precautions are required when attaching the 220 film holder.

BASIC OPERATION (PREPARATION)

Loading Film

The shutter release button has two positions. Pressing it down halfway (first position) turns on the exposure meter and autofocus system. Pressing it fully (second position) releases the shutter. When taking a picture, press the shutter release button gently to prevent camera shake.

- Before loading a roll of film, slowly press the shutter release button to learn where the first position is.
- The LCD indication stays on for about 10 seconds after the button is released from the halfway position.
- The timer duration of the LCD indication can be changed from the initial 10 seconds to 20 or 30 seconds with Pentax function No.2 See page 78.
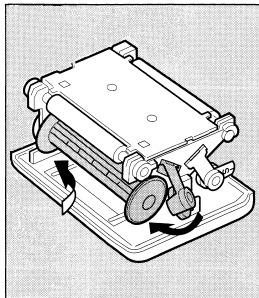
Spool retainer (p.21)
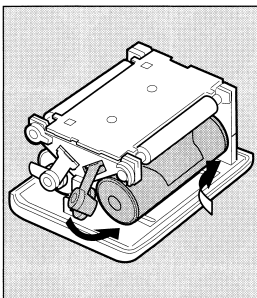
Film winding gear (p.21)

Pressure plate

Start mark (p.22)

After loading the film, be sure to set the proper film speed. See page 24 for setting the film speed.

Not pressed | pressed halfway down (first position) | pressed fully down (second position)

1

2

3

4
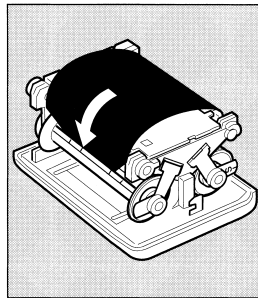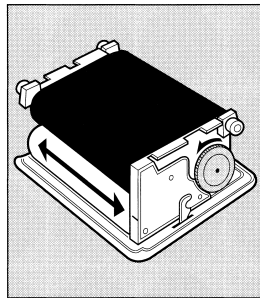

1. **Install an empty to the spool retainer as illustrated.**
2. **Tear off the tape and install the spool to the film holder so that the black inner side of the leader must face outwards.**

3. **Draw the leader from the film roll, and insert the leader paper tip into the take-up spool's slit.**
4. **Slowly rotate the film winding gear in the direction of the arrow while lightly holding the leader paper.**
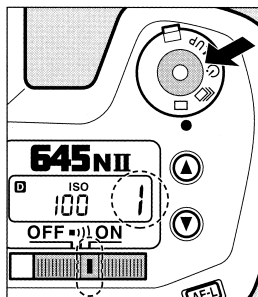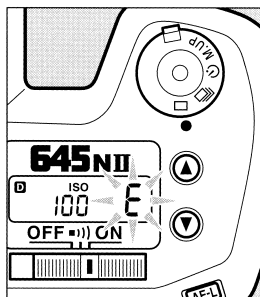
5

6

Start mark

7

8
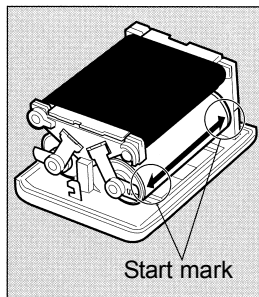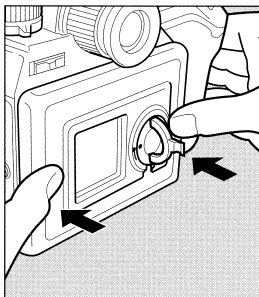
5. Wind the leader paper onto the take-up spool until the arrow on the leader paper aligns the holder's start mark S and the red line.

6. Attach the film holder into the camera body.

7. Set the main switch to [ON]. Press the stutter release button. The film automatically advances to the first frame. ▯ is displayed on the LCD panel.

8. If Ⓔ appears, it indicates that the film is not properly loaded. Detach the film holder from the camera and load the film once again.

- Always load or unload a film in the shade or by using your body to shade the film holder.
- We suggest that you first operate the camera without a film to become familiar with its operations.
- The film counter indication advances one each time the shutter is released.
- With a 220 film loaded, the dot marks appear before the arrow marking. If the dot marks align the start mark on the film holder, the first 3 frames will not be exposed.
- The film counter indication can be set with Pentax Function No.7 to either count forward or backward each frame.

- If the leader paper is wound far over the start mark S or the red line, you may lose the last frame(s) on the roll.
- The film holder cannot be changed or removed when the film is in mid-roll.
- 15 pictures are taken with a 120 roll film and 32 pictures are taken with a 220 roll film. The number of pictures taken can be changed with Pentax function No.9.
- With the main switch set to ⏸, the PCV signal beeps for two second when the film is left only one frame for film depleting warning

Setting the Film Speed (ISO)

1

2

3
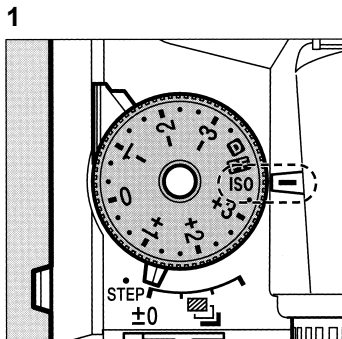
1. Set the exposure compensation dial to the ISO position

- Turn the exposure compensation dial while holding down the exposure compensation dial release button.
- The shutter cannot be released with the exposure compensation dial set at [ISO].
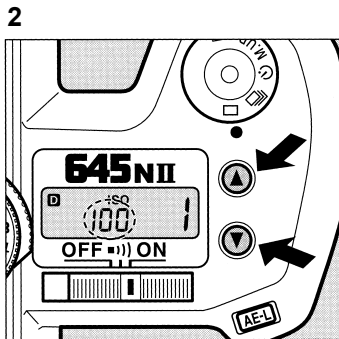
2. Press the up/down button. To set the ISO for to a higher film speed, press the ▲ button repeatedly until the desired ISO appears on the LCD panel. To change ISO for a lower film speed, press the ▼ button repeatedly until the desired film speed appears on the LCD panel.
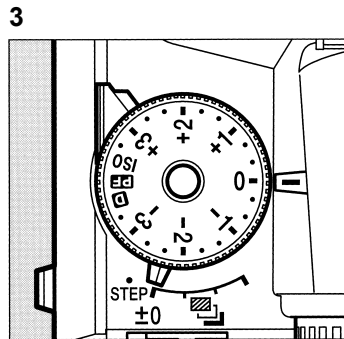
3. After the desired film speed is set, turn the exposure compensation dial to the [0] position.

- The film speed setting range is ISO 6 to 6400 in 1/3 EV step increments.
- You can tear off a part of the film package indicating the type of film and speed, and insert it into the memo holder provided on the film holder to remind you of the film type/speed that you are using.
- [ISO] and film speed are always displayed on the LCD panel with the main switch set to the ON position.
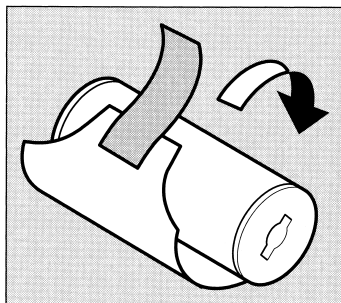
1

2

3


BASIC OPERATION (PREPARATION)
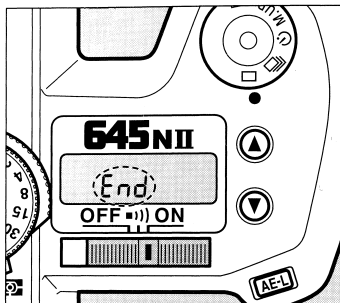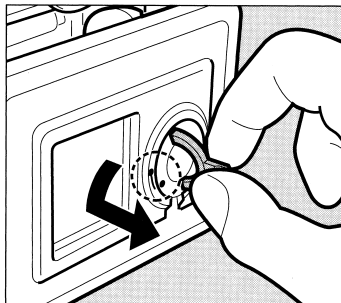
1. **After the last frame of the roll is exposed, the camera will automatically wind the film and stop winding as soon as the end of the leader paper is wound to the take-up spool. End on the LCD panel is displayed.**
2. **Detach the film holder from the camera.**
3. **While firmly holding the wound film roll, affix the paper seal securely on the back of the paper leader to prevent the exposed roll from unwinding accidentally.**

- Remove the film in the shade or by using your body to shade the camera.
- The number of exposed frames on the LCD panel disappears.
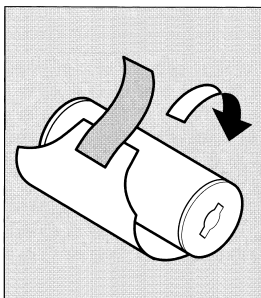
Unloading the Film in Mid-Roll

1

2
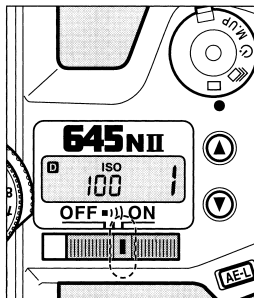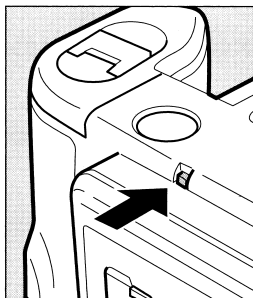
If you wish to remove the film before exposing all the frames, use this function.

1. **Set the main switch to [ON].**
2. **Press the mid-roll wind-up button fully with a fine-pointed object. The film will wind completely.**
3. **Before detaching the film holder, check that End is displayed on the LCD panel.**

3

4

4. **While firmly holding the wound film roll, affix the paper seal securely on the back of the paper leader to prevent the exposed roll from unwinding accidentally.**

- The number of exposed frames on the LCD panel disappears.
- When removing the film from the camera, protect it from direct sunlight.

1　　　**2**　　　**3**
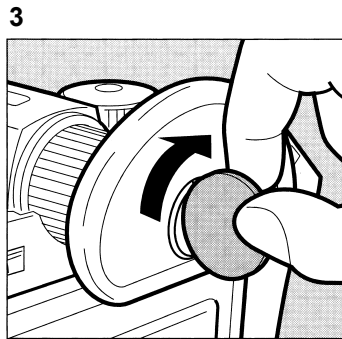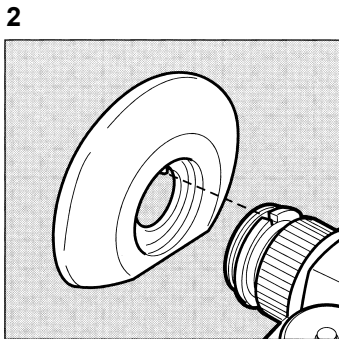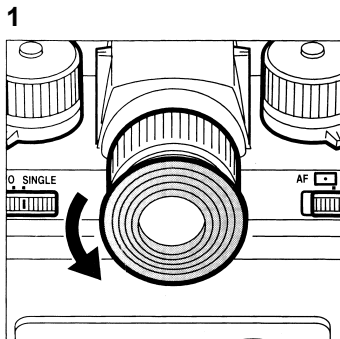
Two types of eyecups, a standard and a larger one are provided as accessories; they may be utilized according to a given situation. The larger is constructed of rubber and designed to fit close to the face for easy shooting.
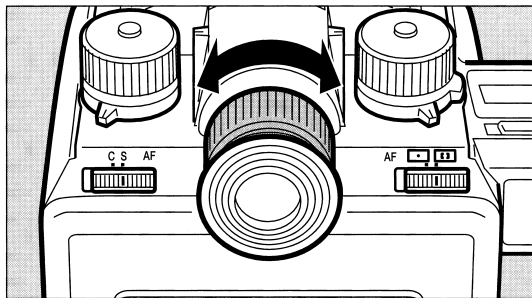
To install

1. **The standard eyecup may be easily removed from the viewfinder by rotating the cup to the left.**
2. **To install the larger eyecup: match the eyecup pin with the eyepiece hole.**

3. **Turn the fixing screw to the right with a coin or similar object.**

- When using accessories such as the Refconverter 645, remove the eyecup first.
- When turning the fixing screw with a coin, a large diameter coin is recommended to use. A small diameter coin touches the glass part of the eyepiece and causes scratching the eyepiece glass.

Aim the camera at a bright subject. While looking through the viewfinder, turn the diopter adjustment ring to the left or right until the autofocus frame ⬚ appears in the sharpest focus.

• The diopter adjustment range is +1.0D to -3.5^{-1}m (per meter).