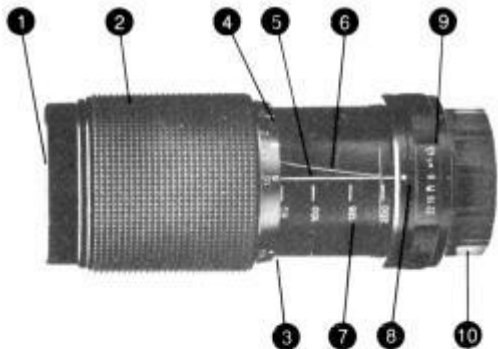


# **Vivitar**

Owner's Manual

**80-200mm f4.5 Macro  
Focusing Zoom Lens**

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1. **Accessory Thread:** Accepts 55mm threaded filters, lens hoods and other accessories.
2. **Zoom/Focus Ring:** Rotate the zoom/focus ring to focus; slide forward or backward along the lens barrel to change focal length. Always double check focus after changing focal length.
3. **Macro Range Index Mark:** Closest focusing distance for achieving maximum reproduction ratio.
4. **Distance Scales:** White = meters; Green = feet.
5. **Distance Index Line:** Read distance scales against this reference point.
6. **Infrared Focus Line:** Infrared radiation focuses on a different plane than normal light. When using black and white infrared film, focus normally, note the distance on the distance scales and then rotate the zoom/focus ring until the

noted distance aligns with the infrared focus line. Normal focusing methods are applicable for use with color infrared film.

7. **Focal Length Scale**
8. **Aperture Index Dot**
9. **Aperture Ring and Scale**
10. **Lens Mount:** Your new Vivitar zoom is designed to fit your camera with ease and precision. Simply slide the zoom/focus ring to the 80mm position and attach the lens (holding the lens barrel) to your camera as you would your normal lens.

### **Automatic Diaphragm Control**

The automatic diaphragm allows picture composition and focusing with the diaphragm "wide open" (at maximum aperture). The diaphragm automatically stops down to the pre-selected aperture at the moment of exposure and immediately re-opens when exposure is completed.

### **EE Coupled Lenses**

Your 80-200 zoom lens is compatible with EE coupled lens systems.

Canon mount lenses have a click stop at the green "O" for EE operation. The aperture ring may be set and removed from this position by depressing the lock button beneath the green "O"

Konica mount lenses have an aperture ring that locks with a positive "click" when placed in the green "AE" position. To remove from AE operation, press the AE lock button and turn

the aperture ring to the specific f-stop you want.

On Minolta mount lenses the minimum aperture setting (f22) is engraved in green. When using Minolta cameras equipped to do so in the shutter priority mode, your lens must be set at this minimum aperture position.

### **Using the Macro Range Feature**

To use the Macro Range feature of your Vivitar 80-200, first slide the zoom/focus ring to the 80mm position. Next rotate the zoom/focus ring until it stops at the yellow "M-R" position. Move your camera and lens until the image is in sharpest focus (which will be when your subject is approximately 21 cm, or just over 8 inches, from the front of your lens). At this Macro Range position your lens will provide a reproduction ratio of approximately 1:3. This means that the size of the image on the film is approximately  $\frac{1}{3}$  life size. The magnification range of your Vivitar 80-200 in normal, non-Macro Range use is from 1:14 at 80mm to 1:6 at 200mm.

**Note:** Do not attempt to change focal lengths from 80mm when the zoom/focus ring is set at the "M-R" position. Rotate the zoom/focus ring back until it has cleared the "M-R" position and then you will be able to slide the ring backwards or forwards to change focal length.

### **Lens Care**

1. We suggest keeping a Vivitar Skylight 1A or UV filter mounted on your lens at all times to protect the front element from dirt and abrasions.

2. Protect your lens from dust by keeping front and rear lens caps in place when not in use.
3. Keep your lens clean, using a soft brush, an air blower or lens tissue and lens cleaning fluid. Never use any material or cloth likely to cause abrasions on the lens coating or front element surface.
4. Always store your lens in a cool, dry place. In humid environments, use the Silica Gel packet supplied with every lens.

### **Specifications**

**Focal length:** 80-200mm

**Optical construction:** 12 elements in 9 groups, multicoated (VMC)

**Aperture range:** f4.5 - f22 (f16 for Konica mount)

**Angle of acceptance:** 30° - 12°

**Min. focusing distance from film plane:** 40 cm (15.75") in Macro Range position at 80mm; 147.5 cm (58") in non-Macro Range use

**Max. reproduction ratio:** 1:3 at 80mm in Macro Range position

**Accessory size:** 55mm thread

**Max. barrel diameter:** 63 mm (2.5")

**Length at infinity:** 128 mm (5")

**Weight:** 600 g (21.2 oz.)

Specifications subject to change without notice. Length and weight may vary slightly depending upon lens mount.

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