

Vixen

Manual for GEOMA III ED65 ZOOM • GEOMA III ED80 ZOOM



GEOMA III ED65 ZOOM



GEOMA III ED80 ZOOM

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GEOMA III ED65 ZOOM



GEOMA III ED80 ZOOM

Introduction

This instruction manual is common with the Field Scope GEOMA III ED65 ZOOM / GEOMA III ED80 ZOOM. Please note that the appearance may differ from your model. Please read this manual thoroughly before using the product and use it correctly. Please also read the manuals of other equipment you use with this product, such as a tripod.

⚠️WARNING

Never look directly at the sun through this product. Permanent and irreversible eye damage may result.

Looking at the sun with this product can damage your eyes or cause blindness. When using, absolutely do not look at the sun.

Safety Precautions

- Do not leave the field scope body or eyepiece in direct sunlight. There is a risk of fire.
- Do not use the product while walking. It may cause injuries such as collisions or falls.
- Do not place the product in an unstable location. It may fall or drop, causing malfunction or injury.
- Focusing may not be possible due to individual differences in vision. In that case, use glasses or contact lenses in combination.
- When removing the eyepiece, do so in a place free of dust and moisture.
- Do not disassemble or modify the product by anyone other than Vixen. Not only will the warranty be voided, but it may also cause malfunction or injury.
- The field scope body is waterproof due to inert nitrogen gas filling, but the eyepiece is not designed for waterproof use. When the product is used in the rain for a long time, there is a risk of penetrating water inside the eyepiece, so please be very careful.

Care and Storage

1. When dust gets on the lens surface, blow it off with a camera maintenance blower brush.
2. When dirt or fingerprints get on the lens surface, after blowing off large dust particles as in step 1, carefully wipe the lens with a small amount of commercially available camera lens cleaner soaked in commercially available lens paper. The lens surface is very delicate. Please be careful not to scratch the lens surface when cleaning.
3. Brush off any dirt that has entered the movable parts, such as the focusing knob, with a brush.
4. Wipe the body gently with a soft cloth to remove dirt.
5. When cleaning, do not use strong organic solvents such as anhydrous alcohol, benzine, or ether. The body and rubber may deteriorate.
6. Store in a well-ventilated, dry place.
7. If not used for a long period, seal it in a plastic bag with a desiccant for storage. Also, even if not planning to use it, periodically move the movable parts to ventilate and replace the desiccant.

Contents

This product includes the following items. Please check the contents.

1. Field Scope Body
2. Smartphone Camera Adapter
3. Stay-on Case



1. Field Scope Body



2. Smartphone Camera Adapter



3. Stay-on Case

Part Names



1. Twist-up Eyecup

You can change the height of the eyecup by twisting it. Use it extended when viewing with naked eyes or contact lenses.

2. Dual-Speed Focus

Two-stage focuser with coarse and fine focus adjustments.

3. Coarse Focus wheel

Turn this focus wheel first to focus approximately.

4. Fine Focus Knob

1/9th of the pitch of the coarse focus wheel.

5. Eyepiece (Zoom Type)

You can steplessly change the magnification by twisting it with your fingers.

- GEOMA III ED 65 ZOOM: 16-48x
- GEOMA III ED 80 ZOOM: 20-60x

6. Rotation Lock Screw (Scope Body Rotation Mechanism)

You can change the position of the eyepiece by rotating the scope body. This is useful to determine a frame composition when taking photos.

7. Tripod Socket (Mounting Block)

1/4 inch screw hole, with a hole for a video boss.

8. Sliding Sunshade Hood

Prevents contrast reduction due to stray light.

9. Objective Lens

The objective lens is the front lens element.

How to Use Attaching to a Tripod



Attach the field scope body to a tripod (sold separately or commercially available) for stable observation.



There is a camera screw hole (1/4 inch screw) on the mounting block. Mount the field scope on the tripod and attach it securely in place with the fixing screw on the tripod head.

Eyepiece



Point the objective lens of the field scope at a target and look through the eyepiece.



The eyepiece has a twist-up eyecup that changes height.

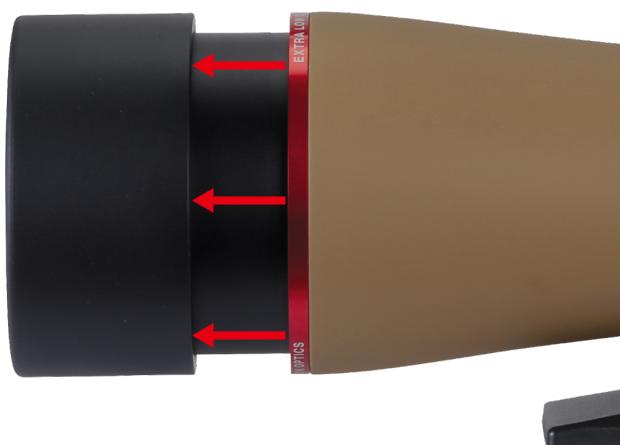
When observing while wearing glasses, please use the eyecup without extending it.

Zoom



Turning the knurled part of the eyepiece clockwise results in lower magnification, and turning it counterclockwise results in higher magnification

Slide-out Sunshade hood



Extending the slide-out sunshade hood blocks unwanted light and helps prevent contrast reduction due to stray light.

Focusing



While looking through the eyepiece, turn the focus wheel/knob to focus on the target.

To focus, usually turn the coarse focus wheel first. For more precise focusing, turn the fine focus knob.

This allows for fine adjustments with a pitch of 1/9 of the coarse focus wheel rotation.

Rotating the scope body



Loosening the rotation lock screw allows you to tilt the scope body sideways, changing the position of the eyecup. This is useful for determining the frame composition when taking photographs. After deciding the angle, tighten the rotation lock screw to fix it.

Taking Photos with a Smartphone



Smartphone camera adapter

With the supplied smartphone camera adapter, you can take photos by attaching your smartphone to the eyepiece.



1. Attach your smartphone to the clamp of the smartphone camera adapter as shown in the figure. The clamp is spring-loaded, so you can push it out left and right to secure space for attaching the smartphone.



2. Loosen the fixing screw on the back of the clamp. Move the clamp so that the camera lens on the smartphone comes to the center of the hole of the smartphone camera adapter, and tighten the fixing screw.
3. Look through the eyepiece and focus on the target. Lower the eyecup and attach the cylindrical hollow part to the smartphone camera adapter over the eyepiece.



4. Launch the smartphone's camera app and take photos as you normally would.

Stay-on Case



The scope unit can be mounted on a tripod for observation with the protective case attached. The dual-speed focuser and the knurled zoom ring can be operated while the scope is held in the protective case.

Specifications

GEOMA III ED 65 ZOOM

Type	45° Angled Viewing
Effective Aperture	65mm
Objective Lens	ED glass
Optical Coatings	PFM5 (Perfect Fully 5 Multilayered) coatings
Near Focus	Approx. 3.5m
Eyepiece • Magnification	Zoom Eyepiece, 16-48x
Eye Relief	20-18mm
Actual Field of View	2.7-1.4°
Apparent Field of View*	41.3-60.8°
Apparent FoV (Former JIS Standard)	42.4-67.2°
Field at 1000m	47-24m
Exit Pupil	4.1-1.4mm
Brightness	16.8-2.0
Waterproofness	Waterproof specification equivalent to IPX6, achieved by filling with inert nitrogen gas (Body)
Main Accessories	Smartphone Camera Adapter, Stay-On Case

* Conformity with JIS B7157:2003

GEOMA III ED 80 ZOOM

Type	45° Angled Viewing
Effective Aperture	80mm
Objective Lens	ED glass
Optical Coatings	PFM5 (Perfect Fully 5 Multilayered) coatings
Near Focus	Approx. 5.5m
Eyepiece • Magnification	Zoom Eyepiece, 20-60x
Eye Relief	20-18mm
Actual Field of View	2.1-1.1°
Apparent Field of View*	40.3-59.9°
Apparent FoV (Former JIS Standard)	42-66°
Field at 1000m	37-19m
Exit Pupil	4-1.3mm
Brightness	16-1.7
Waterproofness	Waterproof specification equivalent to IPX6, achieved by filling with inert nitrogen gas (Body)
Main Accessories	Smartphone Camera Adapter, Stay-On Case

* Conformity with JIS B7157:2003

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2. お買い上げ日
3. 症状または内容

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お問い合わせ窓口はこちらから

<https://www.vixen.co.jp/contact/>

WEBページの構成変更等によりリンク切れが起る場合は、トップページよりお進みください。

<https://www.vixen.co.jp/>

2. お電話によるお問い合わせ

カスタマーサポート

電話番号※1：04-2969-0222（専用）

受付時間※2：9:00～12:00・13:00～17:30

土・日・祝日、夏季休業、年末年始休業など弊社休業日を除く

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