

Nikon

NATURESCOPE

Portable 20x stereoscopic microscope



Discover the Beauty of the Macro World at 20x

What do you get when you cross a microscope with a pair of binoculars? You get the Naturescope, Nikon's portable 20x stereoscopic microscope. This light, compact, extremely portable instrument enables you to observe nature in macro detail at 20x magnification. Carry the Naturescope around your neck with a strap and bring the world tantalizingly closer. Observe the mystery of leaves, flowers and insects at close range. This unique, hybrid tool is not just a conversation piece: it delivers clear, crisp images thanks to Nikon's renowned optics. Teachers, students, nature lovers, collectors and appraisers: go on, take a closer look!



Insect



Crawfish



Mineral



Flower

The Nikon Naturescope—Your Anytime, Anyplace Stereoscopic Microscope

The Naturescope is your ideal traveling companion. With its binocular type non-slip grip, the Naturescope is incredibly simple to use, and it's versatile too! Lean it up against a tree trunk, attach it to a tripod, or use the small cup to observe aquatic insects or minute fish. Indoors, the built-in light provides plenty of illumination for examining stamps, coins and other objects in stunning detail.

Diopter adjustment mechanism

By simply rotating the diopter ring, you can adjust the diopter to suit your own eyesight, thus preventing fatigue.

Built-in illumination system

Powered by a lithium battery CR123A, the built-in light provides bright, even illumination when observing in dim light.



Press this switch.



Convenient wide-range focusing system

Rotate the focusing knob to focus on the object. Vertical adjustment is possible up to 50mm.



Stereoscopic binocular eyepiece tubes

With a high 20x magnification, you can observe any object inside an 11mm-circle as a stereoscopic image.

Adjustment of pupil distance

Align the exit pupils of the Naturescope with the pupils of your eyes for greater comfort. Both fields form a complete circle when perfectly aligned.

Rotatable eyepiece head

Rotate the eyepiece head 90° until it clicks to attach the Naturescope to a tripod. Rotate it 180° until it clicks again to fold the unit neatly for easy carrying.



90° rotation

180° rotation

Detachable two-way plate

Flat on the front and cup-shaped on the back, this versatile plate can be removed for direct observation.



With plate (back view)

Without plate

A Broad Range of Applications: From Education to Professional Appraisals

●Simply place the object you want to observe on the plate.

Just place the object on the plate and focus. Use built-in illumination when observing a dimly lit object. You can enjoy a much more spectacular and natural image at 20x magnification.



●Turn the plate upside down and a small cup-like receptacle appears, ideal for observing aquatic insects.

A convenient cup-like receptacle is provided on the back of the plate for observing aquatic insects, etc. Go out to the riverside and discover the tiny species that live behind stones in the water.



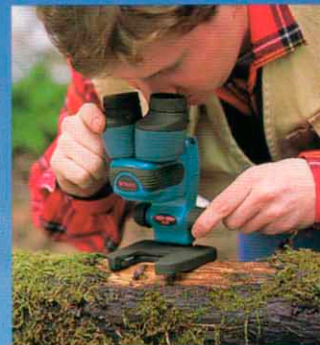
To observe constantly moving insects, put them in a transparent container.

●Remove the plate for direct observation of nature.

One of the most appealing points of the Naturescope is that you can get closer to nature yourself by bringing the Naturescope with you. You can observe tiny insects living in their natural habitat without frightening them away.

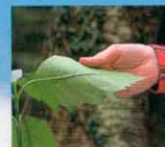


You may find unexpected wonders under fallen leaves or inside dead wood.



●Turn the head 90° to attach the Naturescope to a tripod, for precise and steady observation.

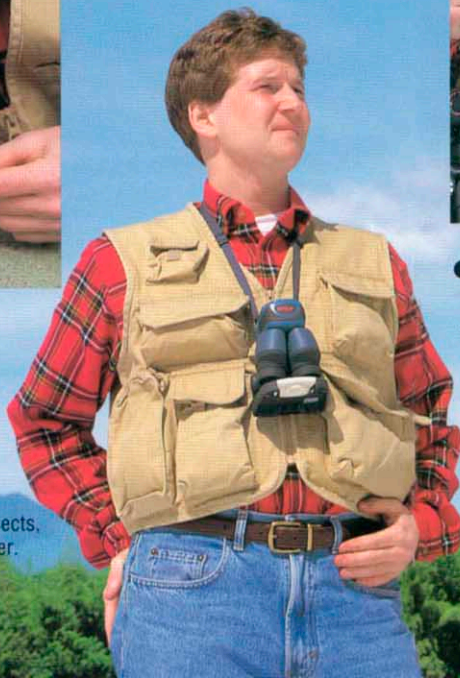
Adjust the Naturescope to observe objects carefully and deliberately from any angle or direction.



Don't overlook the back of leaves.

●A powerful tool for appraising rare coins, stamps, jewelry, textiles and other collectibles.

There are any number of additional uses for the versatile Naturescope, ranging from color film checking, to appraising precious stones and collectibles such as coins, paintings, stamps and the like.





Specifications

| | |
|------------------------------------|--|
| Magnification | 20x (fixed) |
| Optical system | Erect unreversed image, eyepiece diopter separately adjustable |
| Interpupillary distance adjustment | 56-72mm (2.20-2.83 in.) |
| Vertical adjustment | 50mm (1.97 in.) from the base of the stage |
| Plate | Detachable, reversible utilization - flat (on the front) and cup-like receptacle (on the back) |
| Power source | 2.5V-0.5A halogen lamp/lithium battery CR123A |
| Weight | Approx. 610g (21.5 oz) |

Caution: Do not submerge the Naturescope underwater or expose it to rain or spray.

Accessories

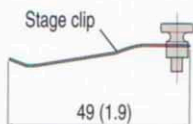
Carrying case and Strap are provided.



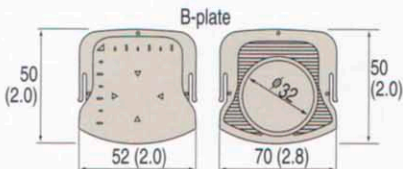
Photo: Carrying case

Optional accessories (to be available soon)

- Stage clip: Used to hold objects in place prior to observation.
- B-plate: Black-colored plate for observing white objects. The cup-like receptacle on the back enables you to observe living things.



Unit: mm (in.)



Color of photographs appearing in this brochure may differ from the originals due to printing. Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. March 1996



NIKON CORPORATION

Binocular and Telescope Products Division

6-3, Nishiohi 1-chome, Shinagawa-ku, Tokyo 140, Japan

Tel: +81-3-3773-1114 Telex: 22601 (NIKON J)

Fax: +81-3-3773-1115

© NIKON CORPORATION 1996

Fa.Optoteam

Neulerchenfelderstraße 83

1160 Wien

Tel 01-484 49 00-0

www.optoteam.at

E