

**Your new Keystone
Telebinocular**

**KEYSTONE
VIEW COMPANY**
www.keystoneview.com

THIS IS THE PRECISION KEYSTONE OPHTHALMIC TELEBINOCULAR

15 significant instruments components and design features:

1. Viewing head- Both the height of the head and its angle of tilt are adjustable. Head is counterbalanced for smooth, precise movement. Design helps minimize light and surrounding distraction.

2. Headrest- Patient's forehead should rest lightly against this strip. (Accessory tissue headrest cushion are available at nominal cost.)

3. Double lens holder- Accommodates two trial case lenses.

4. Lamp for viewing eyes- Handy device that's standard on all Ophthalmic Telebinoculars. Lets you view the patient's eyes by removing targets from cardholder and looking backward through the lenses. (The switch is on the left side of the instrument.)

5. Superior +5.0 D achromatic lenses- Corrected for chromatic and spherical aberrations. Adjustments for varying P.D.'s are unnecessary.

6. Direct viewing of targets- Means better viewing...with no front surface mirrors to scratch, break, or replace.

7. Support Arm

8. Target illumination- Lamp recessed into the back of the viewing head provides even, non-glare illumination of the test targets. Uses readily available 25-watt showcase bulbs. Switch is a top on the left side of the head.

9. Flip Occluders

10. Adjustable cardholder- Accommodates up to 20 stereogram targets may be used with split cards. Targets are readily accessible from top or sides, permitting use of a pointer. And they may be freely interchanged at will.

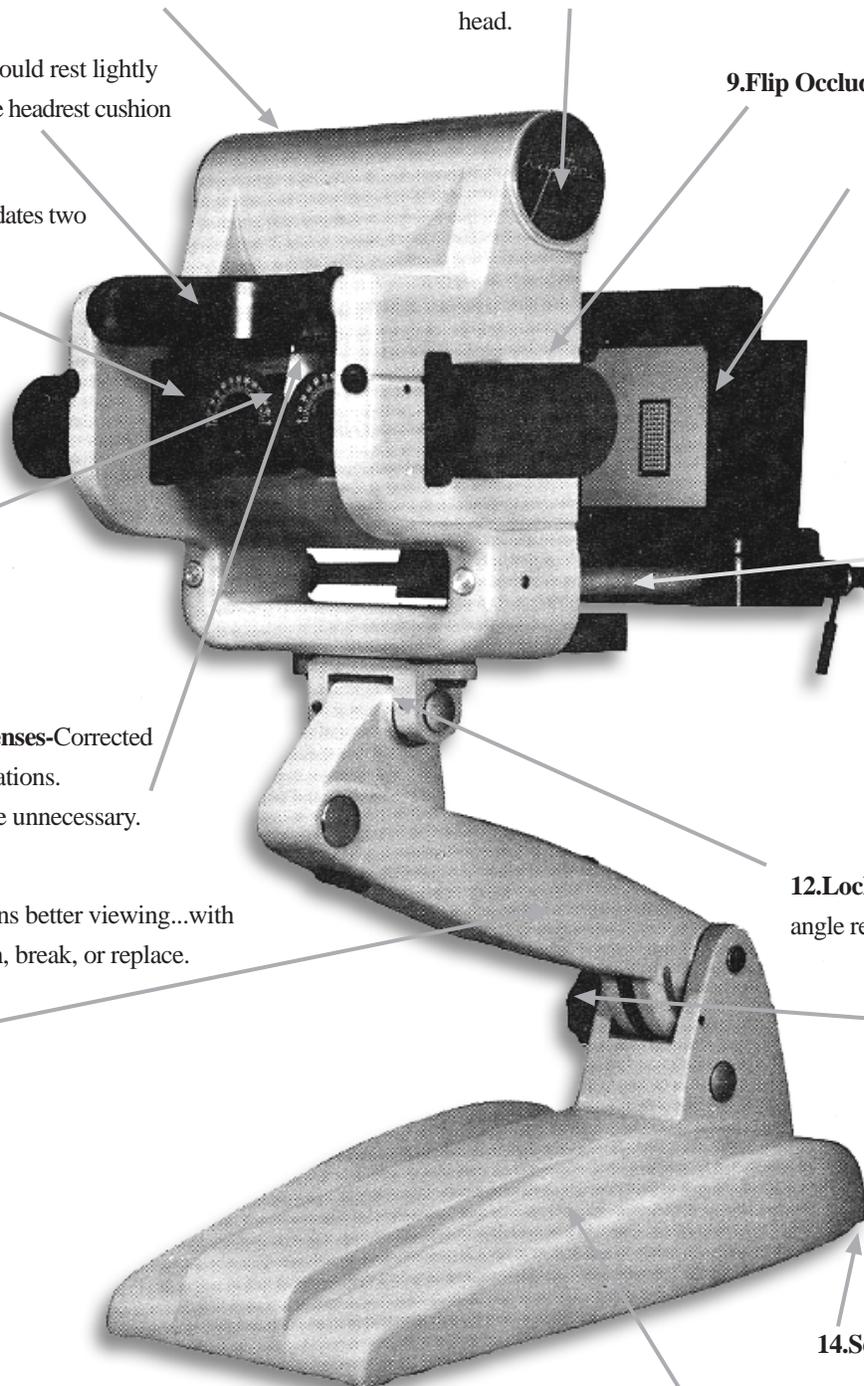
11. Fully calibrated shaft- Not limited to only far and near point testing or training. Each number on the scale marks a 0.25 D change of accommodation.

12. Lock for head tilt- Once set, head angle remains constant at any elevation.

13. Locking knob for head height- Viewing head has a greater height adjustment range than that of any other instrument (over 6 1/4 inches.) Knob locks head at selected position.

14. Serial number

15. Base- Cast aluminum base is light, yet stable. It measures 8x14 inches, requires less than a square foot of desk or table area.



SPECIFICATIONS

Maximum width.....	7 1/2 inches
Maximum length.....	14 1/2 inches
Maximum height (head fully raised).....	23 inches
Weight.....	14 pounds (approx.)
Electrical.....	Lamps operates on 110-120 volts a/c.

TIPS ON HANDLING TEST TARGETS

Visual skills and other frequently used test targets are normally left in the Telebinocular cardholder between the testing of different patients. Targets should always be upright...but not held so tightly they cannot be easily slipped out of the cardholder. At the completion of each specific test, slide the target up and out of the holder and insert it at the rear of the "deck" of target slides. Targets not left in the cardholder should be stored on edge-in the same manner as phonograph records-to prevent possible warping. Whenever possible, they should be protected by the white carton in which they were shipped.

Few ophthalmic instruments are as versatile in application as the Telebinocular...accepted pioneer in modern binocular vision testing and training. Which is why there are more Telebinocular in use today than any other similar instrument.

Used with Keystone stereo target slides, the unit offers a convenient approach to a wide variety of procedures. So you can provide a number of services with but a single instrument investment: Visual skills screening, vision training, and problem diagnosis, for example. The Telebinocular has even been used in a number of cases for direct prescribing.

Completely self-contained and easy to use, the Keystone Telebinocular is designed for reliability, too. Virtually no maintenance is ever required. And, thanks to its lightweight, the unit can be easily moved to any convenient location...in or out of your office.

A dust cover and extra lamp bulbs are supplied with each instrument. Various accessories are also available...as described on the last page of this folder.



PREPARATION FOR TESTING WITH THE TELEBINOCULAR

General conditions

Whenever possible, Keystone vision testing should be conducted in a quiet atmosphere. Lighting should be subdued and brilliant sunlight excluded from the room. If testing is done in the classroom, the Telebinocular should be located in a quiet corner. Care should be taken so noise, traffic, or glares do not distract the testee or examiner.

The examiner should be seated along the side of the table on which the instrument is placed...and to the right of the test subject. It is important that he/she be able to face the subject, yet see and manipulate the target slides in the cardholder. It is also important to provide sufficient table space in front of the examiner for the record form.

Equipment readiness

Normally, the Telebinocular should be placed on a desk or table with a height of from 26 to 30 inches from the floor. Place the instrument near the edge of the table, and be sure that adequate knee room is provided beneath the table for the testee. The chairs for both testee and examiner should be straight-backed.

With smaller children (through age seven or eight), it may be desirable for them to stand during testing. A somewhat higher-than-normal table may be required, but most problems of correct posture can thus be eliminated.

Before testing, check the Telebinocular to make sure it is in proper working order. The unit should be connected to a 110-120 volts a/c outlet and the lamp should light when the switch is turned on. If necessary, the instrument should be dusted and the lenses cleaned with a soft lens tissue. (If accessory headrest tissues are used, be sure that the tissue exposed is clean and fresh.)

Check the test targets in the cardholder, too. The targets should be in proper sequence and the back plate of the holder moved far enough forward to keep the targets upright...but not too tight to prevent easy change.

Test subject's posture

It is vital that proper posture be maintained during testing. An uncomfortable position will cause strain and distract the testee.

Seat the subject in front of the instrument and close enough to it so his/her back and head are erect and the shoulder level but relaxed. The test subject's feet should be flat on the floor or comfortably placed on a rung of the chair or stool.

If a younger child is tested while standing, be sure he/she remains erect, with shoulders back and head straight.

Adjust the height of the Telebinocular viewing head so the desired posture can be maintained throughout testing. It may be necessary to loosen the large black knob at the back of the support arm so the viewing head will move smoothly. (The knob may be tightened to lock the instrument in position, although this is not usually necessary.)

The testee's forehead should rest lightly against the Telebinocular headrest and this position maintained during all tests. Do not allow him/her to pull back or away from the instrument between individual tests. And caution him/her against tilting his/her head at any time during testing.

If the testee wears glasses

If the testee wears glasses, tests should be conducted with glasses on as usual. If glasses are worn only for reading or for distance vision, they should be removed when testing that type of vision (near or far) for which they were not prescribed.

Should bifocals be worn, special adjustments may be required: It is vital that both the Telebinocular and the glasses be adjusted so the testee line of vision may pass unobstructed through the bottom of his/her bifocals segment for all near point tests.

TELEBINOCULAR MAINTENANCE

Under normal conditions of use, the Telebinocular needs no maintenance except for the occasional replacement of the lamp bulb. When this is required, be sure to use *only* a 25-watt, frosted showcase bulb. (Use of a higher-wattage bulb may damage the equipment.)

To minimize cleaning, the instrument should be protected by the dust cover when not in use. Periodically, however, some cleaning will be required. The body of the Telebinocular should be dusted from time to time with a soft cloth or brush...and the lens cleaned with a lens cloth or tissue. If the unit has become very soiled, it may be washed with a mild soap-and-water solution.

Should your Telebinocular become damaged or fail to operate properly, contact Keystone for information concerning repair parts or overhaul. (Please do not return the instrument to the factory without written authorization and directions.)

ACCESSORIES FOR THE TELEBINOCULAR

Keystone Perimeter

Measure lateral peripheral (side) vision, shows if a student has "tunnel vision". Attaches to Telebinocular with a thumbscrews, need not to be removed for other tests. Order Number: 1105.

Sanitary Head Rest Tissues

Add extra touch of cleanliness to the Telebinocular. 2500 sheets of tissue, in small, self-adhesive pads. Cat. No. 1113.

Plus Lens Attachment

Used with special acuity target slide to measure far-sightedness. Slips in occluder slot. Five lens strengths offered; standard for student testing is +1.75 diopters. Order Number: 1106.

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