

Thank you for purchasing the **Tele Vue-85**. We hope it brings great enjoyment to your observing experience. The wonderfully versatile hand-built 3-1/3" aperture telescope features a diffraction limited, 600mm focal length, f/7 APO doublet objective which delivers razor sharp images sure to please you for years to come and wherever you observing interests lead you.



WARNING: NEVER try to look at the sun or point the telescope toward or near the sun without professional solar observing equipment rigidly secured in front of the objective lens. When observing the sun with the proper filters, use only the Tele Vue "Sol-Searcher" (SSF-1006) for finding the Sun. Remove any other finding devices such as Starbeam from the telescope. Instant and

permanent eye damage may result from viewing the sun directly, even during a solar eclipse, or when viewing through thin clouds, or when the sun is near the horizon.

Standard features of the optical tube assembly (O.T.A.) include: sliding dew shield, screw-on cover, 2" rack and pinion focuser, and custom padded carrying bag.

## Accessories

The **Tele Vue-85** Accessory Package includes a 2" Everbrite diagonal, 2" to 11/4" adapter, Ring Mount, and DeLite eyepiece.

Mounting - The Tele Vue Ring Mount (available separately or in the package) permits mounting to the Tele Vue Gibraltar, Panoramic, and Tele-Pod mounts, or heavy duty camera tripods. You will receive the two 1/4-20 studs, wing knobs, Allen wrench and complete mount assembly instructions with the mount. Tele Vue also has adapter plates to allow attachment on specific equatorial mounts (consult your Tele Vue dealer).

Finders - For night use, we recommend the Starbeam reflex sight (SFT-2003) to complement the wide field of the telescope. The Starbeam attaches to the Ring Mount and can be left in place when the scope is stored in its case.

Use the Qwik-Point (part # QBT-1006) for daytime spotting. It's beam is bright enough for use in even bright sunlight. However it is not recommended for nighttime use.



**Terrestrial Viewing Considerations** - Indeed, the Cornell Ornithology Lab comparison reported the Tele Vue-85 as having the finest optics for birding.

The Tele Vue 55mm Plössl or 41mm Panoptic in a 2" diagonal will provide a 4.4° true field. This can serve as a finder, for rich field viewing or for terrestrial use. (Image is upright, but left-right reversed using diagonal mirrors.)

Tele Vue developed the 1¼″ 60° Everbrite Diagonal (part# DPC-6012) specifically for terrestrial observers who appreciate the highest levels of image performance. The 60° angle is far more comfortable for terrestrial observing than the standard 90°, and the 99% reflective Everbrite dielectric coating gives the truest color rendition of any mirror or prism, and is sharpest at the highest powers.

For 1¼" diagonals and prisms, the 32mm Plössl or 24mm Panoptic offer the maximum field. 2.6° at 19x and 25x respectively.

If you use the telescope in a harsh environment such as at a beach where sand, mud and salt spray are present, or for birding, you may wish to use a 95mm clear filter for protection, while using the telescope. It is available from camera dealers, and simply screws onto the lens cell in place of the cover. These filters are generally not used for astronomy as they can degrade optical quality.

## Getting Acquainted with Your New Tele Vue-85

Note: O.T.A. purchasers must supply eyepieces, eyepiece adapter, diagonal, and ring mount in order for the telescope to function. **TV-85** Accessory Package includes these items.

### **1.1 Optical Tube Assembly**

The OTA consists of the objective cell, tube and focuser. The front cell houses the carefully aligned objective. Never attempt to loosen the 3 alignment screws in the front lens cell. The tube is aluminum and powder coated, requiring no special care. The rack and pinion focuser is driven by high leverage 1:1 knobs on both the left and right sides, and a 10:1 reduction knob only on the right side. The two tension screws on the top of the focuser body can be adjusted to add resistance when using heavy eyepieces. These tension screws tighten against a brass clamp ring, which then cinches down on the Teflon sleeve in which the draw tube slides. For photography it is not necessary to tighten beyond the need to keep a camera stationary. Even when sufficiently tight, the focuser knobs can still drive the draw tube. The two lock screws in the end of the draw tube also tighten against a brass clamp ring for extra holding power on the diagonal or other accessories.

## 1.2 Ring Mount

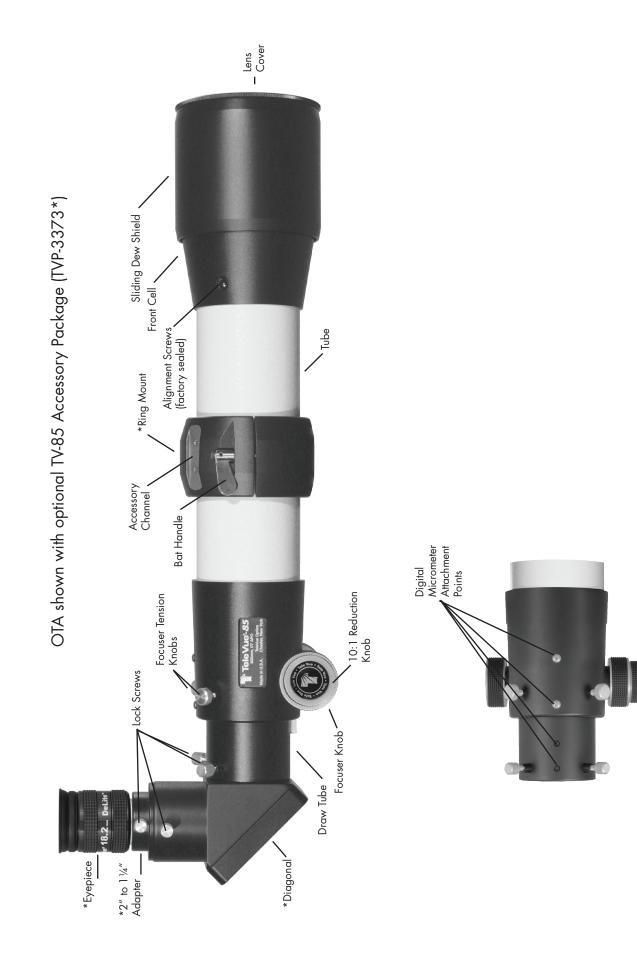
The Ring Mount (available separately or in the package) permits easy telescope balancing. Simply unlock the "bat handle," reposition the telescope by sliding it fore or aft, and re-lock. Slots with 10-32 holes are available for mounting accessories.

## **1.3 Eyepieces**

Tele Vue eyepieces offer a range of magnifications from 11x to 200x, with the **Tele Vue-***85*. We recommend choosing low and medium power eyepieces in <u>ratios of field stop diameters</u>. For example, factors of 1.4 or 2.0. When choosing higher power eyepieces, use <u>ratios of magnification</u>. (see reference chart in the "Choosing Your Eyepieces" article.) The **TV-***85* Accessory Package includes an 18.2 DeLite that offers a 1.8° true field at 33x magnification with 20mm of eye relief.

## 1.4 Photography

For prime focus photography at 600mm f/7 using a DSLR, use camera adapter (part# ACM-2000). For flat field astrophotography at 480mm f/5.6, use the Tele Vue 0.8x reducer/flattener, (part# TRF-2008). Tele Vue Powermates with optional T-ring adapters provide a variety of options for extending focal length. To reach focus with the Powermates requires our 3.5" extension tube. Afocal photography using your cell phone camera is accomplished with FoneMate™(part# SFA-001). For Piggyback DSLR photography, attach the Piggy-Cam platform, (part# PGC-1001) to the Ring Mount.



Tele Vue recommends choosing low and medium power eyepieces in <u>ratios of field stop diameters</u>. For example, factors of 1.4 or 2.0. When choosing higher power eyepieces, use <u>ratios of magnification</u>.

	Tele Vue-85												
55     PRod     EPC5.0     50     46.0     38     1.1     10.9     4.3     P.8     4     Y       31     Negler 5     EN531.0     82     42.0     19     2.2     19.4     4.01     4.4     6     Y       35     Pangpic     EN351.0     82     42.0     19     2.2     19.4     4.01     4.4     6     Y       35     Pangpic     EN352.0     68     30.5     10     1.2     3.2     8.4     3.4     6     Y       21     Ence     ET+21.0     100     36.2     13     1.6     17.2     2.97     3.8     6     Y       27     Ranglic     ET+21.0     100     29.6     1.5     1.6     35.3     2.33     2.4     - Y       17     Neglic     ET+41.0     82     2.43     1.7     1.6     3.5.3     2.33     2.4     Y     Y       14     Panglic     ET+30     100     22.3     15	Length	Туре	Product Code	Field (deg)	(mm)	(mm)	(lb.)	Mag.	Field	Pupil		Dioptrx Ready	
41     Penople     IPO410     69     46.0     27     21     14.6     4.39     88     6     Y       31     Nagler 5     ENS310     82     42.0     19     22     19.4     401     1.4     6     Y       35     Panoplic     EN35.0     68     38.7     24     1.0     1.7     3.70     5.0     64     Y       21     Endo     ETH21.0     100     36.2     1.5     2.3     2.07     3.1     7     Y       22     Negler 4     EN422.0     82     3.1     10     1.5     2.7.3     2.07     3.8     6     Y       7     Prooptic     EN27.0     64     30.5     10     1.6     35.3     2.83     2.4     7     Y       17     Negler 4     EN47.0     42     2.4     7     7     Y     4.5     4     Y       17     Negler 4     EN47.0     42.0     12.0     1.6     1.5 <td< th=""><th></th><th></th><th></th><th>2'</th><th>' Eyepieces for V</th><th>Vide True Field</th><th>ls</th><th></th><th></th><th></th><th></th><th></th></td<>				2'	' Eyepieces for V	Vide True Field	ls						
31     Negler 5     FNS310     82     42.0     19     2.2     19.4     401     44.     66     Y       35     Prespice     FPC310     100     36.2     15     2.3     28.6     3.46     3.0     -     Y       21     Efros     ETH210     100     36.2     15     2.3     2.86     3.46     3.0     -     Y       22     Naglet     EN4/170     82     2.43     17     10     35.2     2.97     3.8     6     Y       17     Efros     ETH17.0     100     2.96     15     1.6     33.3     2.33     2.4     -     Y       40     Pfied     Efr-40.0     43     2.70     2.8     0.4     18.0     2.58     3.5     4     Y       13     Infra     Efro2.0     6.8     2.3     13     0.4     3.16     2.03     2.3     4.0     Y       13     Infra     Efro2.0     6.8     2.1.2	55	Plössl	EPL-55.0	50							4	Y	
35     Peroptic P1     EF0-35.0     68     38.7     24     1.6     17.1     3.70     5.0     6     Y       21     Fishes     EFH421.0     100     36.2     15     2.3     2.86     3.40     3.0      Y       22     Nagler 4     EF422.0     82     31.1     1.9     1.5     2.73     2.97     3.1     7     Y       27     Prinose     EF117.0     100     22.6     15     1.6     35.3     2.83     2.4      Y       17     Reines     EF117.0     100     22.6     15     1.6     35.3     2.83     2.4      Y       17     Reines     EF147.0     100     22.6     15     1.6     35.3     2.83     2.4      Y       24     Paroptic     EF024.0     68     27.0     12     0.4     150     2.58     57     4     Y       31     Ef624.0     50     21.2	41	Panoptic	EPO-41.0	68					4.39	5.8	6	Y	
Pinds     FIH-21.0     100     36.2     15     2.3     28.6     3.40     3.0     .     Y       22     Nagler 4     ENA22.0     82     31.1     19     15     27.3     2.97     31.7     Y       27     Panoptic     EPO27.0     68     30.5     19     1.0     22.2     2.91     3.8     6     Y       17     Negler 4     ENA17.0     82     24.3     17     1.6     35.3     2.38     2.4     7     Y       Visite Fields       40     Read     EPL40.0     43     27.0     22     0.4     18.8     2.58     5.7     4     Y       32     Pricad     EPL40.0     68     27.0     15     0.5     2.50     2.88     5.7     4     Y       13     Elinos     ETH13.0     100     22.3     15     1.3     46.2     2.13     18     4     Y       14     Nagler 5     ENA516.0     82 <td>31</td> <td>Nagler 5</td> <td></td> <td>82</td> <td>42.0</td> <td>19</td> <td>2.2</td> <td>19.4</td> <td>4.01</td> <td>4.4</td> <td>6</td> <td>Y</td>	31	Nagler 5		82	42.0	19	2.2	19.4	4.01	4.4	6	Y	
22     Negler 4     EN422.0     82     31.1     19     15     27.3     2.27     31.1     7     Y       27     Paraptic     ERO27.0     68     30.5     19     1.0     22.2     2.91     3.8     6     Y       17     Negler 4     EN417.0     100     22.6     1.5     1.6     35.3     2.83     2.4     7     Y       17     Negler 4     EN417.0     100     22.6     1.5     1.6     35.3     2.83     5.7     4     Y       24     Paraptic     EPO24.0     68     27.0     1.5     0.5     2.50     2.58     3.4     6     Y*       10     Negler 5     EN516.0     82     2.2.1     10     0.4     31.6     2.02     2.5     4     N       110     Negler 5     EN516.0     82     2.1     10     0.4     37.5     2.11     2.3     6     N       125     Prised     EAP25.0     50	35	Panoptic	EPO-35.0	68	38.7	24	1.6	17.1	3.70	5.0	6	Y	
27     Foragetic EPO-27.0     68     30.5     19     1.0     22.2     2.91     3.8     6     Y       17     Ringler 4     EPH417.0     100     29.6     15     1.6     35.3     2.83     2.4     7     Y       Visit "Eph410     82     24.3     17     1.6     35.3     2.83     2.4     7     Y       Visit "Eph410     82     24.3     17     1.6     35.3     2.83     2.4     7     Y       Visit "Eph410     82     2.70     22     0.4     18.8     2.58     4.5     4     Y       Colspan="4">Visit Mode True Fields       Visit	21	Ethos	ETH-21.0	100	36.2	15	2.3	28.6	3.46	3.0	-	Y	
17     Ethes     Eth+17.0     100     29.6     15     1.6     35.3     2.83     2.4     .     Y       17     Noglar 4     EN4+17.0     82     24.3     1.7     1.6     35.3     2.32     2.4     7     Y       40     Pisal     Eth-40.0     43     27.0     28     0.4     15.0     2.58     5.7     4     Y       24     Panoptic     EP0-24.0     68     27.0     15     0.5     25.0     2.58     3.4     6     Y*       16     Nogler 5     EN5-16.0     82     22.1     10     0.4     31.6     20.3     2.7     6     N*       17.3     Delos     ED1-17.3     72     2.12     10     0.4     31.6     2.03     2.7     6     N*       18.2     Delite     ED1-17.3     72     2.12     2.0     0.9     34.7     2.02     2.5     -     Y       10     Ethes     ED1-17.0     11.0	22	Nagler 4	EN4-22.0	82	31.1	19	1.5	27.3	2.97	3.1	7	Y	
17     Nogler 4     EN417.0     82     24.3     17     1.6     35.3     2.32     2.4     7     Y       IV# Experiences for Wide True Fields       40     Pisaal     ER40.0     43     27.0     28     0.4     15.0     2.58     5.7     4     Y       32     Pisaal     ER40.0     43     27.0     28     0.4     18.0     2.58     5.7     4     Y       24     Parnoptic     EPC24.0     68     27.0     13     13.4     4.2     2.58     3.4     6     Y*       13     Efnes     ETH13.0     100     22.3     13     13.4     4.2     2.11     2.3     6     N*       16     Nogler 5     EN516.0     82     2.12     10     0.4     31.6     2.03     33.0     18.2     2.04     .4     N       17.3     Delos     EDF17.3     72     21.2     20     0.3     30.1     18.7     Y* <th 18.2<<="" td=""><td>27</td><td>Panoptic</td><td></td><td>68</td><td></td><td></td><td>1.0</td><td></td><td></td><td>3.8</td><td>6</td><td>Y</td></th>	<td>27</td> <td>Panoptic</td> <td></td> <td>68</td> <td></td> <td></td> <td>1.0</td> <td></td> <td></td> <td>3.8</td> <td>6</td> <td>Y</td>	27	Panoptic		68			1.0			3.8	6	Y
IV* Eyepieces for Wilde True Fields       40     Picoal     EPI-40.0     43     27.0     28     0.4     15.0     2.88     5.7     4     Y       22     Picoal     EPI-32.0     50     27.0     22     0.4     18.8     2.58     4.5     4     Y       24     Ponoptic     EPO-24.0     68     27.0     15     0.5     25.0     2.58     3.4     6     Y*       13     Ethes     ETH-13.0     100     22.3     15     1.3     40.2     2.13     1.8     -     Y       16     Nogler 5     EN516.0     82     22.1     10     0.4     37.5     2.13     2.03     2.03     2.7     6     N*       17.3     Dedise     ED17.3     72     21.2     20     0.9     34.7     2.02     2.5     -     Y       13     Dedise     ED14.0     72     17.3     20     0.9     3.0     1.6.3     2.0     -     Y <td></td> <td>Ethos</td> <td>ETH-17.0</td> <td></td> <td></td> <td></td> <td>1.6</td> <td></td> <td></td> <td>2.4</td> <td></td> <td></td>		Ethos	ETH-17.0				1.6			2.4			
40     Plasd     EP.40.0     43     27.0     28     0.4     15.0     2.58     5.7     4     Y       32     Plosd     EP.32.0     50     27.0     22     0.4     18.8     2.58     4.5     4     Y       33     Ethos     ETH-13.0     100     22.3     15     1.3     46.2     2.18     1.8     -     Y       16     Nogler S     EN516.0     82     22.1     10     0.4     37.5     2.1     2.3     1.3     0.4     31.6     2.03     2.7     6     Y*       17.3     Delos     EDV17.3     72     21.2     20     0.9     34.7     2.02     2.5     -     Y       18.2     Delite     EDV17.3     72     21.2     20     0.5     33.0     1.82     2.6     -     Y*       13     Nogler 6     EN613.0     82     17.6     12     0.4     46.2     1.88     1.7     Y*       10	17	Nagler 4	EN4-17.0	82	24.3	17	1.6	35.3	2.32	2.4	7	Y	
32     Pload     EP.32.0     50     27.0     22     0.4     18     2.58     4.5     4     Y       13     Ethos     ETH-13.0     100     22.3     15     1.3     46.2     2.18     1.8     -     Y       16     Nagler 5     EN5-16.0     82     22.1     10     0.4     37.5     2.11     2.3     6     NY       16     Nagler 5     EN5-16.0     82     22.1     10     0.4     37.5     2.11     2.3     6     NY       19     Pronoptic     EP0-19.0     68     21.2     17     0.3     24.0     2.02     3.5     4     N       17.3     Delos     ED1-17.3     72     21.2     20     0.9     3.0     1.82     2.6     Y       18.2     Delos     ED1-13.0     100     17.7     15     1.1     60.0     1.68     2.6     Y       14     Delos     ED1-10.0     72     17.3     200     <				11/2	" Eyepieces for	Wide True Fie	lds						
32     Pload     EP.32.0     50     27.0     22     0.4     18     2.58     4.5     4     Y       13     Ethos     ETH-13.0     100     22.3     15     1.3     46.2     2.18     1.8     -     Y       16     Nagler 5     EN5-16.0     82     22.1     10     0.4     37.5     2.11     2.3     6     NY       16     Nagler 5     EN5-16.0     82     22.1     10     0.4     37.5     2.11     2.3     6     NY       19     Pronoptic     EP0-19.0     68     21.2     17     0.3     24.0     2.02     3.5     4     N       17.3     Delos     ED1-17.3     72     21.2     20     0.9     3.0     1.82     2.6     Y       18.2     Delos     ED1-13.0     100     17.7     15     1.1     60.0     1.68     2.6     Y       14     Delos     ED1-10.0     72     17.3     200     <	40	Plössl	EPL-40.0	43	27.0	28	0.4	15.0	2.58	5.7	4	Y	
24     Panoplic     EPO24.0     68     27.0     15     0.5     25.0     2.58     3.4     6     Y*       13     Ethos     ETH-13.0     100     22.3     15     1.3     46.0     2.13     1.8     -     Y*       16     Nagler 5     ENS16.0     82     22.1     10     0.4     37.5     2.11     2.3     6     N       25     Pikad     EAP25.0     50     21.2     17     0.3     24.0     2.02     3.5     4     N       17.3     Delos     EDI-17.3     72     21.2     20     0.9     34.7     2.02     2.5     -     Y       10     Ethos     EDI-10     100     17.7     15     1.1     10.0     16.8     2.6     -     Y       13     Nagler 6     EN613.0     82     17.6     12     0.4     46.2     1.33     2.1     -     Y       12     Delos     EDI-10     62     16.0	32	Plössl									4	Y	
13     EHos     ETH13.0     100     22.3     15     1.3     44.2     2.13     1.8     .     Y       16     Nogler 5     EN516.0     82     22.1     10     0.4     37.5     2.13     1.8     .     Y       19     Penopatic     EP019.0     68     21.3     13     0.4     31.6     2.03     2.7     6     Y       25     P0sal     EAP25.0     50     21.2     17     0.3     24.0     2.02     3.5     4     N       17.3     Delas     ED017.3     72     21.2     20     0.9     3.47     2.02     2.5     -     Y       18.2     Delite     ED014.0     100     17.7     15     1.1     40.0     1.68     7     Y       13     Nogler 6     EN613.0     82     17.6     12     0.4     44.2     1.6.8     7     Y       15     Delite     ED015.0     62     16.0     20     0.5 <td></td>													
16     Nagler 5     ENS-16.0     82     22.1     10     0.4     37.5     2.11     2.3     6     N       19     Panoptic     ERO-19.0     68     21.3     13     0.4     31.6     2.03     2.7     6     Y*       25     Pfold     ERAP25.0     50     21.2     17     0.3     24.0     2.02     3.5     4     N       17.3     Delos     EDI-17.3     72     21.2     20     0.9     34.7     2.02     2.5     -     Y       10     Effos     ETH-10.0     100     17.7     15     1.1     60.0     1.69     1.4     -     Y       11     Delos     EDI-14.0     72     17.3     20     0.9     42.9     1.65     2.0     -     Y       20     Pickal     EAP20.0     50     17.1     14     0.2     30.0     1.63     2.8     4     N       13     Delos     EDI-12.0     62     16.0 </td <td></td> <td>Y</td>												Y	
19     Panoplic     EPO-19.0     68     21.3     13     0.4     31.6     2.03     2.7     6     Y*       25     Pfesd     EAP-25.0     50     21.2     17     0.3     24.0     2.02     2.5     4     N       17.3     Delise     EDF-18.2     62     19.1     20     0.5     33.0     1.82     2.6     -     Y       10     Ethos     ETH-10.0     100     17.7     15     1.1     60.0     1.69     1.4     -     Y       13     Nogler 6     ENK-13.0     82     17.6     12     0.4     46.2     1.68     1.8     7     Y*       14     Delos     EDK-14.0     72     17.3     20     0.9     42.9     1.65     2.0     -     Y       20     Plosal     EAP-10.0     52     15.0     20     0.5     40.0     1.33     1.1     -     Y       13     Delite     EDF13.0     62     13.											6		
25     Plass     EAP25.0     50     21.2     17     0.3     24.0     2.02     3.5     4     N       17.3     Delos     EDL-17.3     72     21.2     20     0.9     34.7     2.02     2.5     -     Y       18.2     Deline     EDE-18.2     62     19.1     20     0.5     33.0     1.82     2.6     -     Y       10     Ehos     ETH-10.0     100     17.7     1.5     1.1     60.0     1.69     1.4     -     Y       13     Nagler 6     EN4-13.0     82     17.6     12     0.4     40.2     1.65     2.0     -     Y       14     Delos     EDE-12.0     72     17.3     20     0.9     40.0     1.53     2.1     -     Y       20     Ploss     EDI-12.0     72     15.0     20     0.9     50.0     1.43     1.7     -     Y       13     Delos     EDI-12.0     72     15.0 <td></td> <td>Ŭ.</td> <td></td>		Ŭ.											
17.3     Dalos     EDL17.3     72     21.2     20     0.9     34.7     2.02     2.5     .     Y       18.2     Deline     EDL-18.2     62     19.1     20     0.5     33.0     1.82     2.6     .     Y       10     Ethos     ETH-10.0     100     17.7     15     1.1     60.0     1.69     1.4     .     Y*       13     Nagler 6     EN6/13.0     82     17.6     12     0.4     46.2     1.68     1.8     7     Y*       14     Delos     EDL+10.0     72     17.3     20     0.9     42.9     1.65     2.0     .     Y       15     Delue     EDE-15.0     62     16.0     20     0.5     40.0     1.53     2.1     .     Y       10     Delos     EDL-12.0     72     15.0     20     0.5     40.0     1.33     1.7     .     Y       13     Deline     EDE-13.0     62     13.8<												N	
18.2     Delite     EDE-18.2     62     19.1     20     0.5     33.0     1.82     2.6     .     Y       10     Efhos     ETH-10.0     100     17.7     15     1.1     60.0     1.69     1.4     .     Y       13     Nagler 6     EN6-13.0     82     17.7.6     12     0.4     40.2     1.65     2.0     .     Y       14     Delos     EDI-14.0     72     17.3     20     0.9     42.9     1.65     2.0     .     Y       20     Plosal     EAP.20.0     50     17.1     14     0.2     3.0.0     1.63     2.8     4     N       15     Delue     EDE-15.0     62     13.8     20     0.5     40.0     1.33     1.7     Y       10     Delos     EDI-10.0     72     12.7     20     0.9     60.0     1.21     4     N       10     Delos     EAP15.0     50     12.7     120     0.4											-		
13     Nagler 6     EN6-13.0     82     17.6     12     0.4     46.2     1.68     1.8     7     Y*       14     Delos     EDI-14.0     72     17.3     20     0.9     42.9     1.65     2.0     -     Y*       20     Plössl     EAP20.0     50     17.1     14     0.2     30.0     1.63     2.8     4     N       15     Delue     EDI-15.0     62     16.0     20     0.5     40.0     1.33     2.1     -     Y       12/Experieces for Medium Powers       13     Delue     EDI-10.0     72     12.7     20     0.9     60.0     1.43     1.7     Y       10     Delos     EDI-10.0     72     12.7     20     0.9     60.0     1.21     1.4     Y       15     Plössl     EAP15.0     50     12.6     10     0.2     40.0     1.20     2.1     4     N       11     Delize     EDE11.0	18.2	DeLite	EDE-18.2	62	19.1	20	0.5	33.0	1.82	2.6	-	Y	
14     Delos     EDI-14.0     72     17.3     20     0.9     42.9     1.65     2.0     .     Y       20     Plössl     EAP-20.0     50     17.1     14     0.2     30.0     1.63     2.8     4     N       15     Deluite     EDE-15.0     62     16.0     20     0.5     40.0     1.53     2.1     -     Y       IVA" Experiences for Medium Powers       12     Delos     EDI-12.0     72     15.0     20     0.9     50.0     1.43     1.7     -     Y       13     Delos     EDI-10.0     72     12.7     20     0.9     60.0     1.21     1.4     -     Y       15     Plösal     EAP-15.0     50     12.6     10     0.2     40.0     1.20     2.1     4     N     Y       15     Plösal     EAP-11.0     62     11.7     20     0.4     54.5     0.13     1.7     Y     Y <t< td=""><td>10</td><td>Ethos</td><td>ETH-10.0</td><td>100</td><td>17.7</td><td>15</td><td>1.1</td><td>60.0</td><td>1.69</td><td>1.4</td><td>-</td><td>Y</td></t<>	10	Ethos	ETH-10.0	100	17.7	15	1.1	60.0	1.69	1.4	-	Y	
14     Delos     EDI-14.0     72     17.3     20     0.9     42.9     1.65     2.0     .     Y       20     Plössl     EAP-20.0     50     17.1     14     0.2     30.0     1.63     2.8     4     N       15     Deluite     EDE-15.0     62     16.0     20     0.5     40.0     1.53     2.1     -     Y       IVA" Experiences for Medium Powers       12     Delos     EDI-12.0     72     15.0     20     0.9     50.0     1.43     1.7     -     Y       13     Delos     EDI-10.0     72     12.7     20     0.9     60.0     1.21     1.4     -     Y       15     Plösal     EAP-15.0     50     12.6     10     0.2     40.0     1.20     2.1     4     N     Y       15     Plösal     EAP-11.0     62     11.7     20     0.4     54.5     0.13     1.7     Y     Y <t< td=""><td>13</td><td>Nagler 6</td><td>EN6-13.0</td><td>82</td><td>17.6</td><td>12</td><td>0.4</td><td>46.2</td><td>1.68</td><td>1.8</td><td>7</td><td>Y*</td></t<>	13	Nagler 6	EN6-13.0	82	17.6	12	0.4	46.2	1.68	1.8	7	Y*	
20     Plassl     EAP20.0     50     17.1     14     0.2     30.0     1.63     2.8     4     N       15     Delie     EDE-15.0     62     16.0     20     0.5     40.0     1.53     2.1     -     Y       UM* Experiences for Medium Powers       12     Delos     EDI-12.0     72     15.0     20     0.9     50.0     1.43     1.7     -     Y       10     Delos     EDI-10.0     72     12.7     20     0.9     60.0     1.21     1.4     -     Y       15     Plassl     EAP15.0     50     12.6     10     0.2     40.0     1.20     2.1     4     N       9     Negler 6     EN609.0     82     12.4     12     0.4     66.7     1.18     1.3     7     Y       11     Plassl     EDE-10.0     62     9.1     8     0.1     54.5     0.87     1.6     4     N       11     Pla	14	Delos	EDL-14.0	72		20	0.9	42.9	1.65	2.0	-	Y	
IV/" Eyepieces for Medium Powers       12     Delos     EDI-12.0     72     15.0     20     0.9     50.0     1.43     1.7     -     Y       13     Delite     EDE-13.0     62     13.8     20     0.5     46.2     1.32     1.8     -     Y       10     Delos     EDI-10.0     72     12.7     20     0.9     60.0     1.21     1.4     -     Y       15     Plössl     EAP15.0     50     12.6     10     0.2     40.0     1.20     2.1     4     N       9     Nagler 6     EN609.0     82     12.4     12     0.4     66.7     1.20     2.1     4     N       9     Delite     EDE-90.0     62     9.6     20     0.5     66.7     0.92     1.3     -     Y       11     Plössl     EAP-11.0     50     9.1     8     0.1     54.5     0.87     1.6     4     N       11     Plös	20	Plössl	EAP-20.0	50		14	0.2		1.63	2.8	4	N	
12     Delos     EDI-12.0     72     15.0     20     0.9     50.0     1.43     1.7     .     Y       13     Delive     EDE-13.0     62     13.8     20     0.5     46.2     1.32     1.8     .     Y       10     Delos     EDI-10.0     72     12.7     20     0.9     60.0     1.21     1.4     .     Y       15     Plosal     EAP-15.0     50     12.6     10     0.2     40.0     1.20     2.1     4     N       9     Nagler 6     EN6/09.0     82     12.4     12     0.4     66.7     1.18     1.3     7     Y*       11     Delive     EDE-10.0     62     11.7     20     0.4     54.5     1.12     1.6     .     Y       11     Delive     EDE-09.0     62     9.6     20     0.5     66.7     0.92     1.3     1.7     .     Y       11     Ploss     EDE-09.0     62	15	DeLite	EDE-15.0	62	16.0	20	0.5	40.0	1.53	2.1	-	Y	
12     Delos     EDI-12.0     72     15.0     20     0.9     50.0     1.43     1.7     .     Y       13     Delive     EDE-13.0     62     13.8     20     0.5     46.2     1.32     1.8     .     Y       10     Delos     EDI-10.0     72     12.7     20     0.9     60.0     1.21     1.4     .     Y       15     Plosal     EAP-15.0     50     12.6     10     0.2     40.0     1.20     2.1     4     N       9     Nagler 6     EN6/09.0     82     12.4     12     0.4     66.7     1.18     1.3     7     Y*       11     Delive     EDE-10.0     62     11.7     20     0.4     54.5     1.12     1.6     .     Y       11     Delive     EDE-09.0     62     9.6     20     0.5     66.7     0.92     1.3     1.7     .     Y       11     Ploss     EDE-09.0     62				11	4" Evepieces for	Medium Powe	ers						
13     Delite     EDE-13.0     62     13.8     20     0.5     46.2     1.32     1.8     -     Y       10     Delos     EDI-10.0     72     12.7     20     0.9     60.0     1.21     1.4     -     Y       15     Plössl     EAP15.0     50     12.6     10     0.2     40.0     1.20     2.1     4     N       9     Nagler 6     EN609.0     82     12.4     12     0.4     66.7     1.18     1.3     7     Y*       11     Delite     EDE-10.0     62     11.7     20     0.4     54.5     1.12     1.6     -     Y       9     Delite     EDE-09.0     62     9.6     20     0.5     66.7     0.92     1.3     -     Y       11     Plössl     EAP11.0     50     9.1     8     0.1     54.5     0.87     1.6     4     N       1/4     Plössl     EDF0.0     100     10	12	Delos	EDI-12.0					50.0	1/13	17	-	Y	
10     Delos     EDI-10.0     72     12.7     20     0.9     60.0     1.21     1.4     -     Y       15     Plössl     EAP-15.0     50     12.6     10     0.2     40.0     1.20     2.1     4     N       9     Nagler 6     EN609.0     82     12.4     12     0.4     66.7     1.18     1.3     7     Y*       11     Delite     EDE-11.0     62     11.7     20     0.4     54.5     1.12     1.6     -     Y       9     Delite     EDE-09.0     62     9.6     20     0.5     66.7     0.92     1.3     -     Y       11     Plössl     EAP-11.0     50     9.1     8     0.1     54.5     0.87     1.6     4     N       1/4     Plössl     EAP-11.0     50     9.1     8     0.1     54.5     0.87     1.6     4     N       1.1     Plössl     EH-08.0     100											-		
15     Plössl     EAP-15.0     50     12.6     10     0.2     40.0     1.20     2.1     4     N       9     Nagler 6     EN609.0     82     12.4     12     0.4     66.7     1.18     1.3     7     Y*       11     Delite     EDE-11.0     62     11.7     20     0.4     54.5     1.12     1.6     -     Y       9     Delite     EDE-09.0     62     9.6     20     0.5     66.7     0.92     1.3     -     Y       11     Plössl     EAP-11.0     50     9.1     8     0.1     54.5     0.87     1.6     4     N       1/4" Eyepicces for Higher Powers       8     Ethos     ETH-08.0     100     10.4     15     1.0     100.0     0.99     0.9     -     Y       6     Ethos     ETH-08.0     100     10.4     15     1.0     10.0     0.7     9.9     1.1     -     Y       7											-		
9     Nagler 6     EN609.0     82     12.4     12     0.4     66.7     1.18     1.3     7     Y*       11     Delite     EDE-11.0     62     11.7     20     0.4     54.5     1.12     1.6     -     Y       9     Delite     EDE09.0     62     9.6     20     0.5     66.7     0.92     1.3     -     Y       11     Plössl     EAP-11.0     50     9.1     8     0.1     54.5     0.87     1.6     4     N       IV# Eyepieces for Higher Powers       8     Ethos     ETH-08.0     100     13.9     15     1.0     75.0     1.33     1.1     -     Y       6     Ethos     ETH-06.0     100     10.4     15     1.0     100.0     0.99     0.9     -     Y       8     Delos     EDL08.0     72     9.9     20     1.0     75.0     0.33     1.0     7     Y*       4.7     Ethos											4		
11     Delite     EDE-11.0     62     11.7     20     0.4     54.5     1.12     1.6     -     Y       9     Delite     EDE-09.0     62     9.6     20     0.5     66.7     0.92     1.3     -     Y       11     Plössl     EAP-11.0     50     9.1     8     0.1     54.5     0.87     1.6     4     N       IV" Eyepieces for Higher Powers       8     Ethos     ETH-06.0     100     13.9     15     1.0     75.0     1.33     1.1     -     Y       6     Ethos     ETH-06.0     100     10.4     15     1.0     100.0     0.99     0.9     -     Y       8     Delos     EDL08.0     72     9.9     20     1.0     75.0     0.95     1.1     -     Y       7     Nogler 6     EN607.0     82     9.7     12     0.5     85.7     0.72     1.0     -     Y       6     Delos <td>9</td> <td>Naaler 6</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>7</td> <td>Y*</td>	9	Naaler 6									7	Y*	
9     Delite     EDE-09.0     62     9.6     20     0.5     66.7     0.92     1.3     .     Y       11     Plössl     EAP-11.0     50     9.1     8     0.1     54.5     0.87     1.6     4     N       IV/4" Eyepieces for Higher Powers       8     Ethos     ETH-08.0     100     13.9     15     1.0     75.0     1.33     1.1     .     Y       6     Ethos     ETH-06.0     100     10.4     15     1.0     100.0     0.99     0.9     .     Y       8     Delos     EDL08.0     72     9.9     20     1.0     75.0     0.95     1.1     .     Y       7     Nagler 6     EN607.0     82     9.7     12     0.5     85.7     0.72     1.0     7     Y       6     Delos     EDL04.7     110     8.9     1.3     127.7     0.85     0.7     .     Y       3.7     Ethos SX     E	11	ů.		62	11.7	20	0.4	54.5	1.12	1.6	-	Y	
11     Plössl     EAP-11.0     50     9.1     8     0.1     54.5     0.87     1.6     4     N       IV/# Eyepieces for Higher Powers       8     Ethos     ETH-08.0     100     13.9     15     1.0     75.0     1.33     1.1     -     Y       6     Ethos     ETH-06.0     100     10.4     15     1.0     100.0     0.99     0.9     -     Y       8     Delos     EDL-08.0     72     9.9     20     1.0     75.0     0.95     1.1     -     Y       7     Nagler 6     EN6/07.0     82     9.7     12     0.5     85.7     0.93     1.0     7     Y*       4.7     Ethos SX     ETH-04.7     110     8.9     15     1.3     127.7     0.85     0.7     -     Y       6     Delos     EDL/06.0     72     7.6     20     0.5     85.7     0.72     1.0     -     Y       3.7	9	DeLite	EDE-09.0	62	9.6	20	0.5		0.92	1.3	-	Y	
8     Ethos     ETH-08.0     100     13.9     15     1.0     75.0     1.33     1.1     -     Y       6     Ethos     ETH-06.0     100     10.4     15     1.0     100.0     0.99     0.9     -     Y       8     Delos     EDL08.0     72     9.9     20     1.0     75.0     0.95     1.1     -     Y       7     Nagler 6     EN607.0     82     9.7     12     0.5     85.7     0.93     1.0     7     Y*       4.7     Ethos SX     ETH-04.7     110     8.9     15     1.3     127.7     0.85     0.7     -     Y       6     Delos     EDL06.0     72     7.6     20     1.0     100.0     0.73     0.9     -     Y       7     Delite     EDE-07.0     62     7.5     20     0.5     85.7     0.72     1.0     -     Y       3.7     Ethos SX     ETH-03.7     110     7.0	11	Plössl		50	9.1	8	0.1	54.5	0.87	1.6	4	N	
8     Ethos     ETH-08.0     100     13.9     15     1.0     75.0     1.33     1.1     -     Y       6     Ethos     ETH-06.0     100     10.4     15     1.0     100.0     0.99     0.9     -     Y       8     Delos     EDL08.0     72     9.9     20     1.0     75.0     0.95     1.1     -     Y       7     Nagler 6     EN607.0     82     9.7     12     0.5     85.7     0.93     1.0     7     Y*       4.7     Ethos SX     ETH-04.7     110     8.9     15     1.3     127.7     0.85     0.7     -     Y       6     Delos     EDL06.0     72     7.6     20     1.0     100.0     0.73     0.9     -     Y       7     Delite     EDE-07.0     62     7.5     20     0.5     85.7     0.72     1.0     -     Y       3.7     Ethos SX     ETH-03.7     110     7.0				11	/4" Evenieces for	Higher Powe	rs						
6     Ethos     ETH-06.0     100     10.4     15     1.0     100.0     0.99     0.9     -     Y       8     Delos     EDL08.0     72     9.9     20     1.0     75.0     0.95     1.1     -     Y       7     Nagler 6     EN6-07.0     82     9.7     12     0.5     85.7     0.93     1.0     7     Y*       4.7     Ethos SX     ETH-04.7     110     8.9     15     1.3     127.7     0.85     0.7     -     Y       6     Delos     EDL-06.0     72     7.6     20     1.0     100.0     0.73     0.9     -     Y       7     Delite     EDE-07.0     62     7.5     20     0.5     85.7     0.72     1.0     -     Y       3.7     Ethos SX     ETH-03.7     110     7.0     15     1.1     162.2     0.67     0.5     -     Y       5     Nagler 6     EN6-05.0     82     7.0 <td>8</td> <td>Ethos</td> <td>ETH-08 0</td> <td></td> <td></td> <td></td> <td></td> <td>75.0</td> <td>1 3 3</td> <td>11</td> <td></td> <td>V</td>	8	Ethos	ETH-08 0					75.0	1 3 3	11		V	
8     Delos     EDL08.0     72     9.9     20     1.0     75.0     0.95     1.1     .     Y       7     Nagler 6     EN607.0     82     9.7     12     0.5     85.7     0.93     1.0     7     Y*       4.7     Ethos SX     ETH-04.7     110     8.9     15     1.3     127.7     0.85     0.7     .     Y       6     Delos     EDL06.0     72     7.6     20     1.0     100.0     0.73     0.9     .     Y       7     Delite     EDE-07.0     62     7.5     20     0.5     85.7     0.72     1.0     .     Y       3.7     Ethos SX     ETH-03.7     110     7.0     15     1.1     162.2     0.67     0.5     .     Y       5     Nagler 6     EN605.0     82     7.0     12     0.5     120.0     0.67     0.7     7     Y*       8     Plössl     EAP08.0     50     6.5											-		
7     Nogler 6     EN607.0     82     9.7     12     0.5     85.7     0.93     1.0     7     Y*       4.7     Ethos SX     ETH-04.7     110     8.9     15     1.3     127.7     0.85     0.7     -     Y       6     Delos     EDL06.0     72     7.6     20     1.0     100.0     0.73     0.9     -     Y       7     Delite     EDE-07.0     62     7.5     20     0.5     85.7     0.72     1.0     -     Y       3.7     Ethos SX     ETH-03.7     110     7.0     15     1.1     162.2     0.67     0.5     -     Y       5     Nagler 6     EN6-05.0     82     7.0     12     0.5     120.0     0.67     0.7     7     Y*       8     Plössl     EAP-08.0     50     6.5     6     0.1     75.0     0.62     1.1     4     N       4.5     Delos     EDL-04.5     72     5.6 <td></td> <td>-</td> <td></td>											-		
4.7   Ethos SX   ETH-04.7   110   8.9   15   1.3   127.7   0.85   0.7   -   Y     6   Delos   EDL-06.0   72   7.6   20   1.0   100.0   0.73   0.9   -   Y     7   Delite   EDE-07.0   62   7.5   20   0.5   85.7   0.72   1.0   -   Y     3.7   Ethos SX   ETH-03.7   110   7.0   15   1.1   162.2   0.67   0.5   -   Y     5   Nagler 6   EN6-05.0   82   7.0   12   0.5   120.0   0.67   0.7   7   Y*     8   Plössl   EAP-08.0   50   6.5   6   0.1   75.0   0.62   1.1   4   N     4.5   Delos   EDL-04.5   72   5.6   20   1.1   133.3   0.53   0.6   -   Y     5   Delos   EDL-04.5   72   5.6   20   1.1   133.3   0.51   0.7   -   Y     3.5 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td>										-			
6     Delos     EDL-06.0     72     7.6     20     1.0     100.0     0.73     0.9     .     Y       7     Delite     EDE-07.0     62     7.5     20     0.5     85.7     0.72     1.0     .     Y       3.7     Ethos SX     ETH-03.7     110     7.0     15     1.1     162.2     0.67     0.5     .     Y       5     Nagler 6     EN6-05.0     82     7.0     12     0.5     120.0     0.67     0.7     7     Y*       8     Plössl     EAP08.0     50     6.5     6     0.1     75.0     0.62     1.1     4     N       4.5     Delos     EDL-04.5     72     5.6     20     1.1     133.3     0.53     0.6     Y       5     Delite     EDE-05.0     62     5.3     20     0.5     120.0     0.51     0.7     Y       3.5     Delos     EDL-03.5     72     4.4     20     1.1		<u> </u>									-		
7     Delite     EDE-07.0     62     7.5     20     0.5     85.7     0.72     1.0     .     Y       3.7     Ethos SX     ETH-03.7     110     7.0     15     1.1     162.2     0.67     0.5     .     Y       5     Nagler 6     EN605.0     82     7.0     12     0.5     120.0     0.67     0.7     7     Y*       8     Plössl     EAP08.0     50     6.5     6     0.1     75.0     0.62     1.1     4     N       4.5     Delos     EDI-04.5     72     5.6     20     1.1     133.3     0.53     0.6     -     Y       5     Delite     EDE-05.0     62     5.3     20     0.5     120.0     0.51     0.7     -     Y       3.5     Nagler 6     EN6-03.5     82     4.8     12     0.5     171.4     0.46     0.5     7     Y*       3.5     Delos     EDI-03.5     72     4.4 <td></td> <td>-</td> <td></td>											-		
3.7   Ethos SX   ETH-03.7   110   7.0   15   1.1   162.2   0.67   0.5   -   Y     5   Nagler 6   EN605.0   82   7.0   12   0.5   120.0   0.67   0.7   7   Y*     8   Plössl   EAP08.0   50   6.5   6   0.1   75.0   0.62   1.1   4   N     4.5   Delos   EDL04.5   72   5.6   20   1.1   133.3   0.53   0.6   -   Y     5   Delite   EDE05.0   62   5.3   20   0.5   120.0   0.51   0.7   -   Y     3.5   Nagler 6   EN603.5   82   4.8   12   0.5   171.4   0.46   0.5   7   Y*     3.5   Delos   EDL03.5   72   4.4   20   1.1   171.4   0.46   0.5   -   Y     4   Delite   EDE04.0   62   3.2   20   0.5   150.0   0.41   0.6   -   Y     3													
5     Nagler 6     EN605.0     82     7.0     12     0.5     120.0     0.67     0.7     7     Y*       8     Plössl     EAP08.0     50     6.5     6     0.1     75.0     0.62     1.1     4     N       4.5     Delos     EDL04.5     72     5.6     20     1.1     133.3     0.53     0.6     -     Y       5     Delite     EDE05.0     62     5.3     20     0.5     120.0     0.51     0.7     -     Y       3.5     Nagler 6     EN603.5     82     4.8     12     0.5     171.4     0.46     0.5     7     Y*       3.5     Delos     EDL03.5     72     4.4     20     1.1     171.4     0.42     0.5     -     Y       4     Delite     EDE04.0     62     4.3     20     0.5     150.0     0.41     0.6     -     Y       3     Delite     EDE03.0     62     3.2											-		
8     Plössl     EAP08.0     50     6.5     6     0.1     75.0     0.62     1.1     4     N       4.5     Delos     EDL04.5     72     5.6     20     1.1     133.3     0.53     0.6     -     Y       5     Delite     EDE05.0     62     5.3     20     0.5     120.0     0.51     0.7     -     Y       3.5     Nagler 6     EN603.5     82     4.8     12     0.5     171.4     0.46     0.5     7     Y*       3.5     Delos     EDL03.5     72     4.4     20     1.1     171.4     0.42     0.5     -     Y       4     Delite     EDE04.0     62     4.3     20     0.5     150.0     0.41     0.6     -     Y       3     Delite     EDE03.0     62     3.2     20     0.5     200.0     0.31     0.4     -     Y       11/4" Zoom Eyepieces for Medium and Higher Powers											7	Y*	
4.5     Delos     EDL-04.5     72     5.6     20     1.1     133.3     0.53     0.6     -     Y       5     Delite     EDE-05.0     62     5.3     20     0.5     120.0     0.51     0.7     -     Y       3.5     Nagler 6     EN6-03.5     82     4.8     12     0.5     171.4     0.46     0.5     7     Y*       3.5     Delos     EDL-03.5     72     4.4     20     1.1     171.4     0.42     0.5     -     Y       4     Delite     EDE-04.0     62     4.3     20     0.5     150.0     0.41     0.6     -     Y       3     Delite     EDE-03.0     62     3.2     20     0.5     200.0     0.31     0.4     -     Y       1¼// Zoom Eyepieces for Medium and Higher Powers		-										N	
3.5     Nagler 6     EN603.5     82     4.8     12     0.5     171.4     0.46     0.5     7     Y*       3.5     Delos     EDL03.5     72     4.4     20     1.1     171.4     0.46     0.5     7     Y*       4     Delite     EDE04.0     62     4.3     20     0.5     150.0     0.41     0.6     -     Y       3     Delite     EDE03.0     62     3.2     20     0.5     200.0     0.31     0.4     -     Y       11/4" Zoom Eyepieces for Medium and Higher Powers	4.5	Delos									-	Y	
3.5     Nagler 6     EN603.5     82     4.8     12     0.5     171.4     0.46     0.5     7     Y*       3.5     Delos     EDL03.5     72     4.4     20     1.1     171.4     0.46     0.5     7     Y*       4     Delite     EDE04.0     62     4.3     20     0.5     150.0     0.41     0.6     -     Y       3     Delite     EDE03.0     62     3.2     20     0.5     200.0     0.31     0.4     -     Y       11/4" Zoom Eyepieces for Medium and Higher Powers	5	DeLite	EDE-05.0	62	5.3	20	0.5	120.0	0.51	0.7	-	Y	
3.5     Delos     EDL03.5     72     4.4     20     1.1     171.4     0.42     0.5     -     Y       4     Delite     EDE-04.0     62     4.3     20     0.5     150.0     0.41     0.6     -     Y       3     Delite     EDE-03.0     62     3.2     20     0.5     200.0     0.31     0.4     -     Y       I1/4" Zoom Eyepieces for Medium and Higher Powers	3.5	Nagler 6		82			0.5	171.4	0.46	0.5	7	Y*	
3     Delite     EDE-03.0     62     3.2     20     0.5     200.0     0.31     0.4     -     Y       11/4" Zoom Eyepieces for Medium and Higher Powers		0	EDL-03.5	72	4.4	20	1.1		0.42	0.5	-	Y	
11/4" Zoom Eyepieces for Medium and Higher Powers   6.2 Narder Zoom   5.1.2.6 10   0.2 100.0*   0.49* 0.9*	4	DeLite	EDE-04.0	62	4.3	20	0.5	150.0	0.41	0.6	-	Y	
62 Ningler Zeem ENIZ 0206 50 5126 10 0.2 100.0 0.49 0.9 5 N	3	DeLite	EDE-03.0	62	3.2	20	0.5	200.0	0.31	0.4	-	Y	
62 Ningler Zeem ENIZ 0206 50 5126 10 0.2 100.0 0.49 0.9 5 N				1¼" Zoom	Eyepieces for Me	edium and Hic	her Powe	rs					
	6-3	Nagler Zoom	ENZ-0306					100.0-			5	N	

Mounting points are provided on top of the focuser body and draw tube for easy installation of the Digital Micrometer Kits (part#s RMK-2002 or RMF-2003). These kits allow imagers to index focus position to within 0.0001", providing a very convenient way of finding best focus, returning to it, or checking that it hasn't changed. The dual speed focuser with its 10:1 focus reduction provides extraordinarily fine focus adjustment for critical focusing. The Focusmate Driver (part# FDF-2004) adds hands free motorized focusing. For installation, setup and use of the Digital Micrometer Kit and Focusmate Driver, see the instructions included with each.

#### 1.5 Caring for the Tele Vue-85

**Tele Vue-***85* requires no special care. Treat it as you would any fine camera lens. Use the lens cap when the telescope is being stored or not in use. The captive dew shield provides protection from glare, helps protect the lens from dust or spray blown in by the wind and minimizes dew formation on the lens.

If dew forms on the lens during cold weather, it is best to use an electric hair dryer (on the lowest setting) to gently warm it away. A few specks of dust will have no effect on the quality of the image, and may be gently blown off with a squeeze bulb. Do not use compressed air cans to blow dust off any optical surfaces.

Fingerprints, however should be cleaned off. Though the anti-reflection coatings are durable, they are easily scratched. The simplest cleaning method is to moisten a very soft, lint-free tissue, cloth, "Q-Tip" or surgical cotton with a lens or glass cleaner and gently whisk away the stain. Do not apply any solutions directly to the glass surfaces. After every cleaning stroke, use a fresh applicator. The fewer strokes the better! Any residual "film" will not affect visual performance.

Collimation of your **Tele Vue-***85* has been locked at the factory. With reasonable care it will remain aligned. However, rough handling can cause misalignment. WARNING: Do not loosen the button head screws in the front lens cell as this will cause misalignment. If necessary, contact Tele Vue for re-collimation.

Our 90° and 60° star diagonals employ a first-surface mirror. Like all first-surface mirrors, they should be cleaned only when absolutely necessary. First blow loose dust away with a squeeze bulb. <u>CAUTION:</u> Do not clean mirror with water or water based cleaners such as Windex or any other commercial lens cleaners; this is not a lens. All contain too much water and will leave a residue. Moisten a "Q-Tip" with methanol or Isopropyl alcohol, reagent grade. Clean gently using only the weight of the cotton swab. Use very light pressure and never rub. Slight residual stains or dust spots will have no visible effects in observing.

The tube and other parts are powder-coated for durability and can be polished with any non-abrasive car wax. Black anodized surfaces can be cleaned with Windex.

If you have any questions about the care, operation or performance of your **Tele Vue-***85*, please call Tele Vue at (845) 469-4551 from 9:30 am to 5:00 pm EST.

#### 1.6 Warranty

The **Tele Vue-***85* is warranted to be free of manufacturing or workmanship defects for 5 (five) years from the date of purchase, to the original owner. Please return the warranty card for easy identification. If your **Tele Vue-***85* requires warranty service, please call Tele Vue to discuss the defect, upon which you will receive a return authorization. NO RETURNS ARE ACCEPTED WITHOUT PRIOR AUTHORIZATION.

The warranty does NOT include: collimation, defects caused by mis-handling, defects of subjective nature, and coverage for any telescope purchased through an unauthorized Tele Vue dealer.

Warranty work will be performed at Tele Vue's discretion and may only be performed by Tele Vue Optics or its assigned agents. The telescope must be shipped in its case with proper inner and outer packaging. Return shipping and insurance charges are the purchaser's responsibility.

## **1.7 Specifications**

Туре	2-element APO refractor, Fully Multi-Coated
Clear Aperture	3.35 inches (85mm)
Aperture Gain	147, compared to a 7mm exit pupil
Focal Length	600mm
Focal Ratio	f/7
Resolution (visual)	1.4 arc-sec. (Dawes Limit for a 3.35-inch aperture)
Resolution (photographic)	200 line pairs per mm
Magnification	1 1 x to 200x using Tele Vue eyepieces
Field, Visual	4.4° at 11x
Focuser	2-inch, rack and pinion type with 10:1 reduction
Tube	Powder-coated aluminum
Length	19.0-inches (O.T.A. only)
	21.9-inches with 2″ star diagonal
Weight	5.95 lbs. (tube assembly with no caps)
	8.20 lbs. (tube assembly in case with caps)
Accessories	custom fitted soft case, screw-on lens cover, sliding dew (glare) shield

Specifications subject to change without notice.

# **1.8 Recommended Accessories**

Finder Starbeam or 55mm Plössl for 11x, 4.4° field

# Recommended TV-**85** Accessory Package (TVP-3373) includes:

Eyepiece	18.2mm DeLite for 33x, 1.8° field
Diagonal	2-inch Everbite 99% broadband mirror type, with 11/4" adapter
Mounting	Adjustable 3" Ring Mount with 1/4-20 tapped holes for
	standard photographic tripods or optional Tele Vue mountings

#### **1.9 Photo-visual Configurations**

