

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

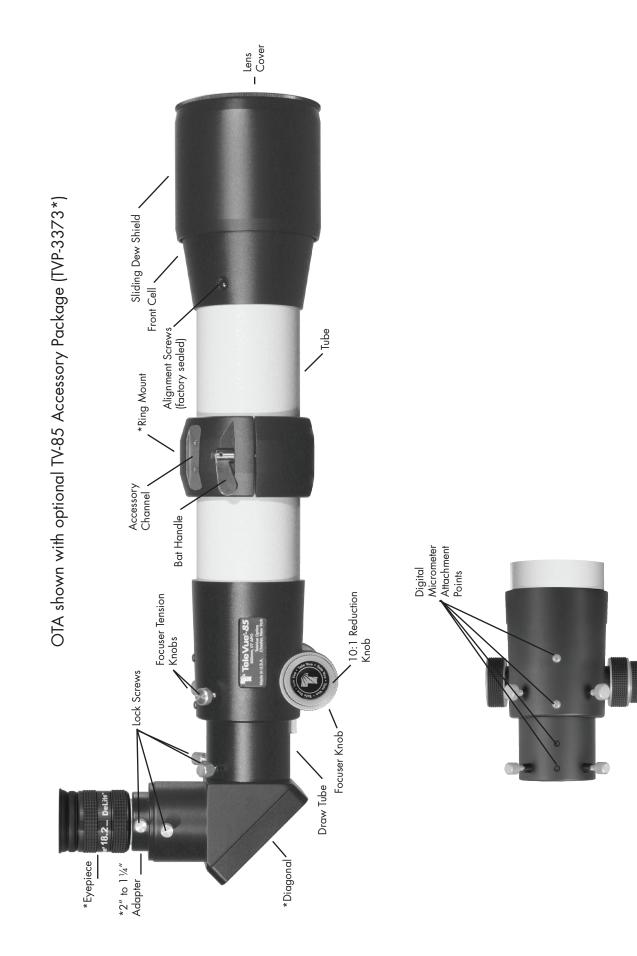
The Ring Mount (available separately or in the package) permits easy telescope balancing. Simply unlock the "bat handle," reposition the telescope by sliding it fore or aft, and re-lock. Slots with 10-32 holes are available for mounting accessories.

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

