

TeleVue[®] Visionary **WARRANTY REGISTRATION FORM**

We sincerely thank you for your purchase and wish you years of pleasure using it!

Tele Vue Warranty Summary

Eyepieces, Barlows, Powermates, & Paracorr have a "Lifetime Limited" warranty, telescopes & accessories are warranted for 5 years. Electronic parts are warranted for 1 year. Warranty is against defects in material or workmanship. No other warranty is expressed or implied. No returns without prior authorization.

Lifetime Limited Warranty details online: <http://bit.ly/TVOPTLIFE>

5-Year/1-Year Warranty details online: <http://bit.ly/TVOPTLIMITED>

Keep For Your Records

Dealer: _____ City/State/Country: _____

Date (day/month/yr): ____/____/____ **Paracorr Type 2 (VIP-2010)**

Tele Vue[®]
 32 Elkay Drive
 Chester, NY 10918-3001
 U.S.A.

Please fill out, cut out, and mail form below within 2-weeks of product purchase. **Please include copy of sales receipt that has your name, the dealer name, and product name.**

Cut out mailing address at left, tape to envelope, insert form & sales receipt in envelope and apply sufficient postage to envelope.

Paracorr Type 2 (VIP-2010)

Name Last _____ First _____

Street Address _____

City _____ State/Province _____

Postal Code _____ Country _____

Email*: _____

Phone: _____

Astro Club: _____

* Check to receive email blog / newsletter

How did you learn about this product?

- Dealer Friend Tele Vue Blog
 CloudyNights.com TeleVue.com
 Social Media/Magazine/Other(s):

What made you decide to buy this and your comments after using the product?

Purchase Information

Dealer: _____

City/State/Country: _____

Date (day/month/yr): ____/____/____

PARACORR TYPE-2 INSTRUCTIONS

Model VIP-2010 (VisualImaging-Paracorr)

BACKGROUND

All Newtonian/Dobsonian telescopes can benefit from using a Tele Vue Paracorr (Parabola Corrector) to eliminate coma in the image. Coma is the effect that makes off-center stars appear like little comets (it becomes more apparent as stars move closer to the edge of the field). While a Newtonian/Dobsonian telescope will benefit from the use of Paracorr, those faster than f/5.0 will see the greatest results. Stars at the edge of the field will improve so dramatically, that when using top-notch Tele Vue eyepieces an object will be equally sharp anywhere in the field. It also prevents faint stars from disappearing at the edge of the eyepiece field. This is not only aesthetically pleasing, but it also greatly reduces the need to constantly nudge the scope to keep the object centered in the "sweet spot." Just insert Paracorr into your 2" focuser like a 2" Barlow (it has a 15% [1.15x] magnification factor) and add Tele Vue eyepieces to suit your needs. It's a recipe for perfection when combined with Tele Vue eyepieces.



The Paracorr Type-2 allows an f/3 parabolic mirror to perform like an f/12 without it. This permits development of a new generation of larger ladderless Dobs, with bigger, sharper fields than ever before. Indeed, it's already been successfully applied by Mike Lockwood to his 20" f/3 and 14.5" f/2.55!

This model Paracorr is dual function: the tunable top permits positioning all Tele Vue eyepieces for optimum performance (see eyepiece position chart on the other side), and the optical assembly can be removed for use in an imaging system with DSLR or CCD cameras along with Tele Vue Imaging System accessories.

VISUAL INSTALLATION

For visual use: Paracorr simply slips into your focuser like a 2" Barlow. Depending on eyepiece type and setting, you will need about 3/4" focuser in-travel compared to using the eyepiece alone.

USE

For 2" Eyepieces:

- 1) Make sure eyepiece lock screws (A) are loosened
- 2) Remove 1 1/4" adapter.
- 3) Slip 2" eyepiece into the Paracorr
- 4) Tighten eyepiece lock screws (A)
- 5) To adjust for eyepiece position,
 - a. Slightly loosen the height adjustment lock knob (B) that clamps on the slot.
 - b. Rotate the outer barrel to adjust the height of the eyepiece, following the guidelines in the eyepiece position chart on other side.
 - c. Tighten the height adjustment lock knob (B).

For 1 1/4" Eyepieces:

- 1) Slip the 2" to 1 1/4" reducing adapter into the Tunable Top and tighten lock screws (A).
- 2) Place the eyepiece in the adapter and tighten the lock screw (C)
- 3) Follow the adjustment procedures outlined above in step 4.

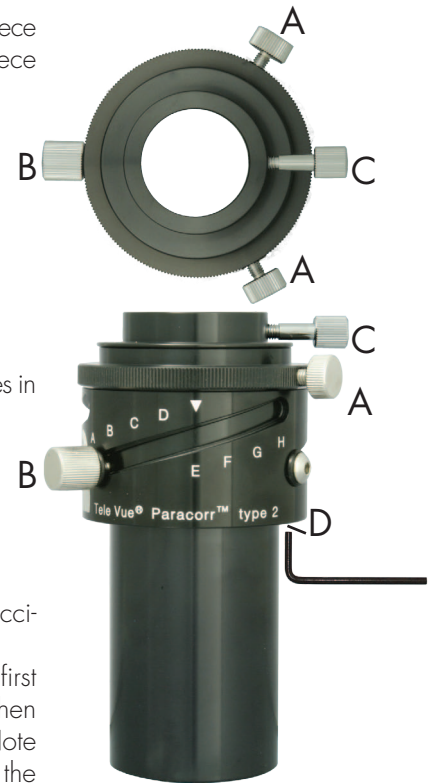
NOTE: Focus the telescope after properly setting the eyepiece position. Do not accidentally use the tuning feature for focussing.

The easiest method for finding optimal correction for other brand eyepieces is to first establish the focus position with a Tele Vue eyepiece at its known Paracorr setting. Then insert your other eyepiece and use the tunable top until focus has been reached. Note the mark on the Paracorr body for the setting. Use your telescope focuser to tweak the focus if necessary.

CAUTION: Do not insert any accessory (Barlows, collimators, etc.) with a barrel length more than 1 3/4" into the Paracorr, to avoid contact with the Paracorr lens. When imaging, do not set lens assembly down on the flange: the top lens protrudes and can be scratched.

FOR IMAGING APPLICATIONS

- 1) Back off set screw under flange (D) using 1/8" Allen key and unscrew lens assembly.
- 2) For use with DSLR cameras (APS size chips recommended, as full-size chips will show vignetting). Tele Vue Canon Wide-T Adapter CWT-2070, or Standard T-Ring Adapter TRG-1072 attaches directly to the Paracorr Type-2 flange.
- 3) For CCD cameras, use Tele Vue Imaging System accessory tubes with Tele Vue camera adapters, or A2A-1107 adapter for cameras with 2" nosepieces. Best back focus is approximately 55mm from flange face.



PARACORR TYPE 2 EYEPIECE POSITION CHART

Position	A	B	C	D	E	F	G	H
2" Oculars (Dist. from Ref.)	-0.4"	-0.3"	-0.2"	-0.1"	0"	+0.1"	+0.2"	+0.3"
	31 N T5 17 Ethos 21 Ethos	22 N T4	11 Apollo			17 N T4 26 N T5	35 Pan 20 N T5	41 Pan 27 Pan 13 Ethos 10 Ethos 3.7 & 4.7 Ethos (w/incl. adptr)
1 1/4" Oculars (Dist. from Ref.)	0"	+0.1"	+0.2"	+0.3"	+0.4"	+0.5"	+0.6"	+0.7"
	17.3 Delos 14 Delos	8 Ethos 6 Ethos		32-to-8 Plössls Radians (all) DeLite (all) 24 & 19 Panoptic 12-to-3.5 Delos 14* & 17.3* Delos (*with AIT-2125 In-Travel Adapter) 12 Nagler Type 4 16 Nagler Type 5 Nagler Type 6 (all) 2-4 & 3-6 Nagler Zooms 3.7 & 4.7 Ethos				40 Plössl

