

TELE VUE TELESCOPES: RECOMMENDATIONS AND SPECIFICATIONS

<i>Application</i>	<i>Tele Vue-60</i>	<i>Tele Vue-60is</i>	<i>Tele Vue-76</i>	<i>Tele Vue-85</i>	<i>Tele Vue-NP101</i>	<i>Tele Vue-NP101is</i>	<i>Tele Vue-102 and Renaissance-102</i>	<i>Tele Vue-102iis</i>	<i>Tele Vue-NP127is</i>
Beginner	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Not recommended
Youngster	Excellent	Excellent	Excellent	Good	Might be too heavy	Might be too heavy	Might be too heavy	Might be too heavy	Not recommended
Birder (hiking)	Excellent	Excellent	Fair	Not recommended	Not recommended	Not recommended	Not recommended	Not recommended	Not recommended
Birder (stationary)	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Traveling	Excellent	Excellent	Excellent	Excellent	Excellent (with optional soft carry bag)	Excellent (with optional soft carry bag)	Very Good	Very Good	Fair
Terrestrial photography (35mm)	Good	Excellent	Excellent	Excellent	Excellent (when used on very stable mount)	Excellent (when used on very stable mount)	Excellent (when used on very stable mount)	Excellent (when used on very stable mount)	Excellent (when used on very stable mount)
Astrophotography (35mm)	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Astrophotography (CCD)	Not recommended	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Maximum visual field	4.3° (with 1.25" 32mm Plössl)	4.3° (with 1.25" 32mm Plössl)	5.5° (with 2.0" 55mm Plössl)	4.4° (with 2.0" 55mm Plössl)	4.9° (with 2.0" 55mm Plössl)	4.9° (with 2.0" 55mm Plössl)	3° (with 2.0" 55mm Plössl)	3° (with 2.0" 55mm Plössl)	4° (with 2.0" 55mm Plössl)
Recommended magnification range	11X - 150X	11X - 150X	9X - 200X	11X - 225X	10X - 250X	10X - 250X	16X - 250X	16X - 250X	12X - 300X
Light collection (over human eye)	73	73	118	147	200	200	210	210	329
Aperture	60 mm	60 mm	76 mm	85 mm	101 mm	101 mm	102 mm	102 mm	127 mm
Type	APO	APO	APO	APO	APO	APO	APO	APO	APO
Focal Ratio	f/6.0	f/6.0	f/6.3	f/7.0	f/5.4	f/5.4	f/8.6	f/8.6	f/5.2
Focal Length	360mm	360mm	480mm	600mm	540mm	540mm	880mm	880mm	660mm
Can use 2" eyepieces	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Overall length of OTA (optical tube assembly)	10.0" (w/o diag.) 12.0" (w/1½" diag.)	11.5" (w/ reducer)	14.5" (w/o diag.) 17.4" (w/2" diag.)	19.0" (w/o diag.) 21.9" (w/2" diag.)	26.1" (w/o diag.) 29.0" (w/2" diag.)	25.5" (w/o diag.)	30.9" (w/o diag.) 33.8" (w/2" diag.)	25.5" (w/o ext. tube)	33.5" (w/o diag.) 36.5" (w/2" diag.)
Optical tube assembly weight ¹	3.0 lbs	n/a	5.1 lbs	6.1 lbs	9.0 lbs	10.65 lbs	8.8 lbs	9.85 lbs	15.4 lbs
Complete package weight (standard configuration) ²	3.3 lbs	6.0 lbs	7.0 lbs	8.0 lbs 9.6 lbs (brass)	11.3 lbs	n/a	11.1 lbs 14.8 lbs (brass)	n/a	18.3 lbs
Carrying Case Supplied	Carry "sack" (soft case optional)	Soft case	Soft case	Soft case	Hard case (Soft case optional)	Hard case (Soft case optional)	Hard case	Hard case	Hard case
Use with camera tripod	Excellent	Excellent	Good	Fair	Not recommended	Not recommended	Not recommended	Not recommended	Not recommended
Use with Tele Vue Tele-Pod Mount ³	Excellent	Excellent	Excellent	Good	Not recommended	Not recommended	Not recommended	Not recommended	Not recommended
Use with Tele Vue Panoramic Mount ³	Excellent, but "overkill"	Excellent, but "overkill"	Excellent	Excellent	• Good at 100X • Fair at 200X	• Good at 100X • Fair at 200X	• Fair at 100X • Not recommended at 200X	• Fair at 100X • Not recommended at 200X	Not recommended
Use with Tele Vue Gibraltar Mount ³	Excellent, but "overkill"	Excellent, but "overkill"	Excellent, but "overkill"	Excellent	Excellent	Excellent	Excellent	Excellent	Good (but requires special mount head)
Accepts Bino Vue	Not recommended	Not recommended	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Minimum Bino Vue magnification with 32mm Plössl	Not recommended	Not recommended	30X	37X	34X	34X	55X	55X	41X
Lunar and planetary viewing	Very Good	Very Good	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Viewing open clusters, brighter galaxies and nebulae	Good	Good	Very Good	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Rich field viewing (e.g., Milky Way)	Good	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Available Colors: G = Green I = Ivory B = Brass	Satin black	Satin black	G, I	G, I, B	I	I	I, B	I	I

NOTES: ¹ Brass scopes are not available as Optical Tube Assemblies.

² TV60 has a mounting bar, not a mount ring.

³ All Tele Vue mounts are now available with Sky Tour Computer System.

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