



	S.1A	S.1S	S.2
Magnification Range	25x - 50x	25x - 50x	12x - 27x
Obj. Lens Diameter	80mm	80mm	56mm
Exit Pupil	3.2mm / 1.6mm	3.2mm / 1.6mm	4.7mm / 2.1mm
FOV	2.2° / 1.6°	2.2° / 1.6°	3.3° / 2.1°
Apparent FOV (FOV x Power)	55° / 80°	55° / 80°	55° / 80°
Field of View (ft/1000yds)	115.2ft / 83.8ft	115.2ft / 83.8ft	137ft / 110ft
Brightness	10.24 / 2.56	10.24 / 2.56	21.78 / 4.3
Twilight Factor	44.7 / 63.2	44.7 / 63.2	25.9 / 38.9
Multi Position Eyecups Y/N	Yes	Yes	Yes
Eye Relief	17mm - 18mm	17mm - 18mm	18.6mm - 20.2mm
Eye Piece Construction	5 group 7 element	5 group 7 element	4 group 7 element
Near Focus	5m	5m	2.5m
Dimension WxHxD	14.9x6.3x3.9	15.9x3.9x3.9	11x2.8x2.6
Weight	64.5oz	64.5oz	34.4oz
Prisms Type	Schmidt-Pechan	Schmidt-Pechan	Abbe-Koenig
Prism Reflective Coating Type	Dielectric Coating	Dielectric Coating	N/A
Phase Correction Coating	Yes	Yes	Yes
Lens Coating	Oilphobic + flat multi	Oilphobic + flat multi	Oilphobic + flat multi
Pressure Tested to What Pressure	1m for 30 min. (IPX7)	1m for 30 min. (IPX7)	1m for 30 min. (IPX7)
Storage Temperature	-40°~158°F	-40°~158°F	-40°~158°F
Functional Temperature	-13°~140°F	-13°~140°F	-13°~140°F
Frame Material	Magnesium/Polymer	Magnesium/Polymer	Magnesium/Polymer
Internal Gas Purged	Nitrogen	Nitrogen	Nitrogen
Objective Filter Thread	82mm	82mm	58mm
Focus System	Veri-speed focusing System	Veri-speed focusing System	Veri-speed focusing System
Lens Type	Fluorite Glass	Fluorite Glass	Fluorite Glass
Origin	Japanese components assembled in the US	Japanese components assembled in the US	Japanese components assembled in the US