



	RS.1		RS1.2 (MOA)		(MIL)		RS.2		RS.3 (MOA)		(MIL)		RS3.2 (MOA)		(MIL)		RS.4 (MOA)		(MIL)		RS.5 (MOA)		(MIL)		RS.6 (MOA)		(MIL)		CRS.1		CRS.2		CRS.3 (MOA)		(MIL)					
Focal plane	First		First				Second		First				First				First				Second				First				Second				First							
Magnification range	2.5x - 15x		2.5x - 15x				2x - 10x		5x - 30x				5x - 30x				5x - 30x				4x - 24x				1x - 10x				3x - 12x				4x - 16x				4x - 20x			
Obj. lens diameter	44mm		44mm				38mm		50mm				50mm				56mm				50mm				28mm				40mm				44mm				50mm			
Tube diameter	30mm / 1.18in		30mm / 1.18in				25.4mm / 1in		30mm / 1.18in				30mm / 1.18in				34mm / 1.34in				30mm / 1.8in				34mm / 1.34in				25.4mm / 1in				25.4mm / 1in				30mm / 1.18in			
Objective outer diameter	52mm		52mm				45mm		59mm				59mm				65mm				59mm				34mm				47.7mm				52.6mm				58.04mm			
Eyeiece outer diameter	43.6mm		43.6mm				39.5mm		43.6mm				43.6mm				43.6mm				43.6mm				46mm				41.1mm				39.4mm				43.63mm			
Overall length	357mm / 14.05in		357mm / 14.05in				316mm / 12.44in		331mm / 13.03in				331mm / 13.03in				325mm / 12.79in				366mm / 14.41in				270mm / 14.05in				316mm / 12.44in				295mm / 11.61in				390.5mm / 15.37in			
Weight (without battery)	24.5oz / 694.5g		26.4oz / 750g				12.4oz / 351.5g		26.9oz / 764g				27.8oz / 764g				35.4oz / 1004g				25.5oz / 723g				23.7oz / 570g				14.8oz / 402g				16.93oz / 480g				27.27oz / 773g			
Internal adjustment range (MOA/MIL)																																								
Total Travel Elevation	100 MOA		100 MOA		29 MIL		50 MOA		80 MOA		23 MIL		80 MOA		23 MIL		120 MOA		35.5 MIL		100 MOA		29 MIL		100 MOA		29 MIL		50 MOA		45 MOA		75 MOA		25 MIL					
Total Travel Windage	70 MOA		70 MOA		20.3 MIL		50 MOA		50 MOA		14.8 MIL		50 MOA		14.8 MIL		50 MOA		20 MIL		70 MOA		20.3 MIL		100 MOA		29 MIL		50 MOA		36 MOA		38 MOA		12 MIL					
Click value	0.250 MOA		0.250 MOA		0.1 MIL		0.250 MOA		0.250 MOA		0.1 MIL		0.250 MOA		0.1 MIL		0.250 MOA		0.1 MIL		0.250 MOA		0.1 MIL		0.250 MOA		0.1 MIL		0.250 MOA		0.250 MOA		0.250 MOA		0.1 MIL					
Adjustment per turret revolution	20 MOA		20 MOA		10 MIL		12 MOA		15 MOA		6 MIL		15 MOA		6 MIL		25 MOA		10 MIL		20 MOA		10 MIL		25 MOA		10 MIL		18 MOA		18 MOA		15 MOA		5 MIL					
Parallax adjustment	10y - Infinity		10y - Infinity				150y		20y - Infinity				20y - Infinity				15y - Infinity				10y - Infinity				100y (fixed)				100y		25y - Infinity		11y - Infinity							
Exit pupil diameter	@2.5x: 11.4mm	@15x: 2.93mm	@2.5x: 11.4mm	@15x: 2.93mm	@2.5x: 11.4mm	@15x: 2.93mm	@2x: 12.1mm	@10x: 3.8mm	@5x: 8.9mm	@30x: 1.7mm	@5x: 8.9mm	@30x: 1.7mm	@5x: 8.9mm	@30x: 1.9mm	@4x: 8.5mm	@24x: 2.1mm	@1x: 8.1mm	@10x: 2.8mm	@3x: 13.2mm	@12x: 3.4mm	@4x: 9.3mm	@16x: 2.8mm	@4x: 11.5mm	@20x: 2.5mm	@4x: 11.5mm	@20x: 2.5mm	@4x: 11.5mm	@20x: 2.5mm	@4x: 11.5mm	@20x: 2.5mm	@4x: 11.5mm	@20x: 2.5mm	@4x: 11.5mm	@20x: 2.5mm	@4x: 11.5mm	@20x: 2.5mm				
Eye relief	@2.5x: 86-100mm	@15x: 86-100mm	@2.5x: 86-100mm	@15x: 86-100mm	@2.5x: 86-100mm	@15x: 86-100mm	@2x: 60-79mm	@10x: 60-81mm	@5x: 76-96mm	@30x: 86-96mm	@5x: 76-96mm	@30x: 86-96mm	@5x: 76-96mm	@30x: 86-96mm	@4x: 77-98mm	@24x: 86-98mm	@1x: 83-99mm	@10x: 85-92mm	@3x: 52-79mm	@12x: 62-82mm	@4x: 65-88mm	@16x: 63-80mm	@4x: 87-100mm	@20x: 81-94mm	@4x: 87-100mm	@20x: 81-94mm	@4x: 87-100mm	@20x: 81-94mm	@4x: 87-100mm	@20x: 81-94mm	@4x: 87-100mm	@20x: 81-94mm	@4x: 87-100mm	@20x: 81-94mm	@4x: 87-100mm	@20x: 81-94mm				
Field of view @100y	@2.5x: 41.7ft	@15x: 7.0ft	@2.5x: 41.7ft	@15x: 7.0ft	@2.5x: 41.7ft	@15x: 7.0ft	@2x: 41.2ft	@10x: 10.5ft	@5x: 22.2ft	@30x: 3.7ft	@5x: 22.2ft	@30x: 3.7ft	@5x: 22.2ft	@30x: 3.9ft	@4x: 27.8ft	@24x: 4.6ft	@1x: 116.6ft	@10x: 11.7ft	@3x: 34ft	@12x: 8.5ft	@4x: 25.6ft	@16x: 6.4ft	@4x: 22.5ft	@20x: 4.73ft	@4x: 22.5ft	@20x: 4.73ft	@4x: 22.5ft	@20x: 4.73ft	@4x: 22.5ft	@20x: 4.73ft	@4x: 22.5ft	@20x: 4.73ft	@4x: 22.5ft	@20x: 4.73ft	@4x: 22.5ft	@20x: 4.73ft				
Front/Rear mounting length	F: 54.5mm	R: 59.5mm	F: 54.5mm	R: 59.5mm	F: 54.5mm	R: 59.5mm	F: 44.7mm	R: 69mm	F: 45mm	R: 62.6mm	F: 45mm	R: 62.6mm	F: 45mm	R: 62.6mm	F: 61mm	R: 42mm	F: 53mm	R: 52mm	F: 64mm	R: 56mm	F: 60mm	R: 62.9mm	F: 50.8mm	R: 56.9mm	F: 73.0mm	R: 46.8mm	F: 73.0mm	R: 46.8mm	F: 73.0mm	R: 46.8mm	F: 73.0mm	R: 46.8mm	F: 73.0mm	R: 46.8mm	F: 73.0mm	R: 46.8mm				
Effective objective lens diameter	@2.5x: 28.5mm	@15x: 44.0mm	@2.5x: 28.5mm	@15x: 44.0mm	@2.5x: 28.5mm	@15x: 44.0mm	@2x: 28.5mm	@10x: 38.0mm	@5x: 44.5mm	@30x: 50mm	@5x: 44.5mm	@30x: 50mm	@5x: 44.5mm	@30x: 56mm	@4x: 34.5mm	@24x: 50.0mm	@1x: 8.1mm	@10x: 28mm	@3x: 40.0mm	@12x: 40.0mm	@4x: 37.3mm	@16x: 44mm	@4x: 50.0mm	@20x: 50.0mm	@4x: 50.0mm	@20x: 50.0mm	@4x: 50.0mm	@20x: 50.0mm	@4x: 50.0mm	@20x: 50.0mm	@4x: 50.0mm	@20x: 50.0mm	@4x: 50.0mm	@20x: 50.0mm	@4x: 50.0mm	@20x: 50.0mm				
Field of view	@2.5x: 7.95°	@15x: 1.35°	@2.5x: 7.95°	@15x: 1.35°	@2.5x: 7.95°	@15x: 1.35°	@2x: 7.83°	@10x: 1.56°	@5x: 4.24°	@30x: 0.71°	@5x: 4.24°	@30x: 0.71°	@5x: 4.24°	@30x: 0.74°	@4x: 5.31°	@24x: 0.88°	@1x: 22°	@10x: 2.23°	@3x: 6.49°	@12x: 1.62°	@4x: 4.88°	@16x: 1.22°	@4x: 4.25°	@20x: 0.83°	@4x: 4.25°	@20x: 0.83°	@4x: 4.25°	@20x: 0.83°	@4x: 4.25°	@20x: 0.83°	@4x: 4.25°	@20x: 0.83°	@4x: 4.25°	@20x: 0.83°	@4x: 4.25°	@20x: 0.83°				
Field of view, apparent	@2.5x: 19.7°	@15x: 20.0°	@2.5x: 19.7°	@15x: 20.0°	@2.5x: 19.7°	@15x: 20.0°	@2x: 15.6°	@10x: 15.6°	@5x: 21°	@30x: 21°	@5x: 21°	@30x: 21°	@5x: 22°	@30x: 22°	@4x: 21°	@24x: 21°	@1x: 22°	@10x: 22°	@3x: 19.3°	@12x: 19.3°	@4x: 19.5°	@16x: 19.5°	@4x: 17.32°	@20x: 17.08°	@4x: 17.32°	@20x: 17.08°	@4x: 17.32°	@20x: 17.08°	@4x: 17.32°	@20x: 17.08°	@4x: 17.32°	@20x: 17.08°	@4x: 17.32°	@20x: 17.08°	@4x: 17.32°	@20x: 17.08°				
Diopter correction (dpt)	+/-2		+/-2				+/-2		+/-3				+/-3				+/-3				+/-2				+/-2				+/-2				+1.5/-3							
Light transmission	89.00%		89.00%				95.00%		90.00%				90.00%				91.84%				90.10%				89.16%				88.00%				88.00%				85.00%			
Twilight Factor	@2.5x: 8.4	@15x: 25.7	@2.5x: 8.4	@15x: 25.7	@2.5x: 8.4	@15x: 25.7	@2x: 7.9	@10x: 19.5	@5x: 14.9	@30x: 38.7	@5x: 14.9	@30x: 38.7	@5x: 16.73	@30x: 40.98	@4x: 14.1	@24x: 34.64	@1x: 5.3	@10x: 16.7	@3x: 10.95	@12x: 20.91	@4x: 13.27	@16x: 26.53	@4x: 13.56	@20x: 31.62	@4x: 13.56	@20x: 31.62	@4x: 13.56	@20x: 31.62	@4x: 13.56	@20x: 31.62	@4x: 13.56	@20x: 31.62	@4x: 13.56	@20x: 31.62	@4x: 13.56	@20x: 31.62				
Functional temperature	-4°~158° F		-4°~158° F				-4°~158° F		-4°~158° F				-4°~158° F				-4°~158° F				-4°~158° F				-4°~158° F				-4°~158° F				-4°~158° F				-4°~140° F			
Submersion tightness / waterproof rating	3m depth		3m depth				3m depth		3m depth				3m depth				3m depth				3m depth				3m depth				3m depth				3m depth				1m depth			
Gas purged	Nitrogen		Nitrogen				Nitrogen		Nitrogen				Nitrogen				Nitrogen				Nitrogen				Nitrogen				Nitrogen				Nitrogen				Nitrogen			
Reticle construction	Etched Glass		Etched Glass				Wire		Etched Glass				Etched Glass				Etched Glass				Etched Glass				Etched Glass				Wire		Wire		Etched Glass		Etched Glass		Etched Glass			
Reticle options	MOA / SHR		MOA-2		SHR-MIL		DUP / SHR		MOA-2 / SHR-W		SHR-MIL		MOA-2 / SHR-W		SHR-W / CFR-MIL		MOA-2 / SHR-W		SHR-W / CFR-MIL		SHR-W		SHR-MIL		MOA3-LPI		CFR2-LPI		CSHR		CSHR		SHR-W		SHR-MIL		SHR-MIL			
Illuminated reticle	No		Yes		Red		No		No				No				Yes		Red / Green		Yes		Red		Yes		Red / Green		No		No		Yes		Red		Red			
Origin	Made in Japan		Made in Japan				Made in Japan		Made in Japan				Made in Japan				Made in Japan				Made in Japan				Made in Japan				Made in Japan				Made in Japan				Made in the Philippines			