VECTRONIX SHOOTING SOLUTIONS.

VECTOR X 42 TECHNICAL DATA

	VECTOR X 8×42	VECTOR X 10×42	VECTOR X 12×42
Order numbers	917234 with MSR-DMR[1] reticle 917233 with MSR-SMR[2] reticle	917236 with MSR-DMR[1] reticle 917235 with MSR-SMR[2] reticle	917238 with MSR-DMR[1] reticle 917237 with MSR-SMR[2] reticle

Optics	**VECTOR X 8×42**	**VECTOR X 10×42**	**VECTOR X 12×42**
Observation	DVO, binocular	DVO, binocular	DVO, binocular
Objective lens diameter	42mm	42mm	42mm
Magnification	8×	10×	12×
Reticles	MSR-DMR[1] MSR-SMR[2]	MSR-DMR[1] MSR-SMR[2]	MSR-DMR[1] MSR-SMR[2]
Field of view at 1000yd/1000m in degrees	 387ft/130m 7.4°	 330ft/110m 6.3°	 272ft/91m 5.2°
Field of view with Range Enhancers 42 at 1000yd/1000m in degrees	 277ft/92m 5.3°	 236ft/79m 4.5°	 194ft/65m 3.7°
Exit pupil	5.25mm	4.2mm	3.5mm
Eye-relief	18mm	17mm	17mm
Interpupillary distance	58 to 78mm	58 to 78mm	58 to 78mm
Diopter compensation	±4dpt.	±4dpt.	±4dpt.
Nano coating on outer lenses	Yes	Yes	Yes
Twilight number	18.3	20.5	22.45

Rangefinder	**VECTOR X 8×42**	**VECTOR X 10×42**	**VECTOR X 12×42**
Laser type	905nm, class 1M according to IEC 60825-1	905nm, class 1M according to IEC 60825-1	905nm, class 1M according to IEC 60825-1
Range capability max range tree deer	 3yd/2m to 7000yd/6400m 3yd/2m to 3000yd/2800m 3yd/2m to 2400yd/2200m	 3yd/2m to 7000yd/6400m 3yd/2m to 3000yd/2800m 3yd/2m to 2400yd/2200m	 3yd/2m to 7000yd/6400m 3yd/2m to 3000yd/2800m 3yd/2m to 2400yd/2200m
Specified performance	2900yd/2650m on 2.3m × 2.3m target; visibility: 10km, albedo 0.6, detection probability >90%	2900yd/2650m on 2.3m × 2.3m target; visibility: 10km, albedo 0.6, detection probability >90%	2900yd/2650m on 2.3m × 2.3m target; visibility: 10km, albedo 0.6, detection probability >90%
Accuracy	±1m at 9m to 100m ±2 m at 100m to 500m <0.5% of distance beyond 500m	±1m at 9m to 100m ±2 m at 100m to 500m <0.5% of distance beyond 500m	±1m at 9m to 100m ±2 m at 100m to 500m <0.5% of distance beyond 500m
False alarm rate	<2%	<2%	<2%
Beam divergence	1.8 × 0.1mrad	1.8 × 0.1mrad	1.5 × 0.1mrad
Time per measurement	<0.25sec	<0.25sec	<0.25sec

Communication interface	**VECTOR X 8×42 / VECTOR X 10×42 / VECTOR X 12×42**
Wireless	Bluetooth® 5.1 LowEnergy

[1] optimized for usage with Range Enhancers 42
[2] optimized for usage without Range Enhancers 42

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Physial	**VECTOR X 8×42**	**VECTOR X 10×42**	**VECTOR X 12×42**
Housing	magnesium	magnesium	magnesium
Armoring	shock absorbing rubber	shock absorbing rubber	shock absorbing rubber
Colour	tac-grey	tac-grey	tac-grey
Tripod	¼"–20 UNC standard tripod interface	¼"–20 UNC standard tripod interface	¼"–20 UNC standard tripod interface
Dimensions	163mm × 130mm × 65mm	156mm × 130mm × 65mm	169mm × 130mm × 65mm
Weight without battery	~1013g/~35oz	~977g/~34oz	~1015g/~36oz
Front objective thread	M46 × 0.75	M46 × 0.75	M46 × 0.75

Ballistics	**VECTOR X 8×42 / VECTOR X 10×42 / VECTOR X 12×42**
Internal ballistics	Applied Ballistics® Elite
External ballistics	Applied Ballistics®, Hornady 4DOF®, Trasol
Kestrel	5700 Elite, 5700X Elite, 5700 Hornady 4DOF®
Garmin ballistic watches	Foretrex® 701/901, tactix® Delta, tactix® 7, instinct® 2X, Descent Mk 2i, Marq Commander Carbon, D2 Mach 1 Pro, etc.

Mapping	**VECTOR X 8×42 / VECTOR X 10×42 / VECTOR X 12×42**
Maps	Google Maps, BaseMap, CivTAC (plug-in required)

Mobile App	**VECTOR X 8×42 / VECTOR X 10×42 / VECTOR X 12×42**
Available for	iOS, Android

Digital magnetic compass and sensors	**VECTOR X 8×42 / VECTOR X 10×42 / VECTOR X 12×42**
Units	360°/6283mrad/6400mil
Azimuth accuracy (1δ)	±5°
Maximum inclination	±89°/±1553mrad/±1582mil
Declination, adjustable	±179°

Others	**VECTOR X 8×42 / VECTOR X 10×42 / VECTOR X 12×42**
Temperature sensor	–20°C/–4°F to +50°C/122°F
Barometric pressure sensor	300hPa to 1100hPa

Display	**VECTOR X 8×42 / VECTOR X 10×42 / VECTOR X 12×42**
Type	AMOLED microdisplay
Brightness control	automatic/manual

Power supply	**VECTOR X 8×42 / VECTOR X 10×42 / VECTOR X 12×42**
Standard, on-board	1 × 3V lithium battery (CR123A)
Battery capacity	(20°C) >10000 measurements
Rechargable battery (optional)	Type 18650

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Environmental	VECTOR X 8×42 / VECTOR X 10×42 / VECTOR X 12×42
Protection class	IP67 (waterproof 1 m 30 min)
Operational temperature	–20°C/68°F to +50°C/122°F
Storage temperature	–40°C/104°F to +70°C/158°F
Shock	60 g/6 ms
Vibration	2 g; 10 Hz to 150 Hz

Accessories	VECTOR X 8×42 / VECTOR X 10×42 / VECTOR X 12×42 Part number
Range Enhancers 42 (1.4×) incl. protective case	917239 (2 pcs)
Anti-Reflection Devices 42	917806 (2 pcs)

Spare parts	VECTOR X 8×42 / VECTOR X 10×42 / VECTOR X 12×42 Part Number
Eyecup for 8×42	919007 (1 pc)
Eyecup for 10×42/12×42	919008 (1 pc)
Neck strap	917231 (1 pc)
Front lens flip cover 42	917232 (1 pc)
Range Enhancer 42 (1.4×)	918795 (1 pc)
Lens cover set for Range Enhancers 42	919011 (2 pcs)
Eyepiece cover	919004 (1 pc)
Protective case 42	917801 (1 pc)
Tripod adapter incl. screws and torx key	917802 (1 pc)
Tripod cover VECTOR X	919050 (1 pc)
Battery cover CR123A	919003 (1 pc)
Battery cover 18650	919052 (1 pc)
Clip for battery compartment cover incl. cord	919009 (1 pc)

Scope of delivery	VECTOR X 8×42 / VECTOR X 10×42 / VECTOR X 12×42
	Laser rangefinder binocular, neck strap, 2× front lens flip cover 42, eyepiece cover, protective case 42, tripod adapter incl. screws and torx key, additional battery cover 18650, CR123A 3V battery, VECSS logo patch, lens cleaning cloth, quickstart guide, safety instructions;

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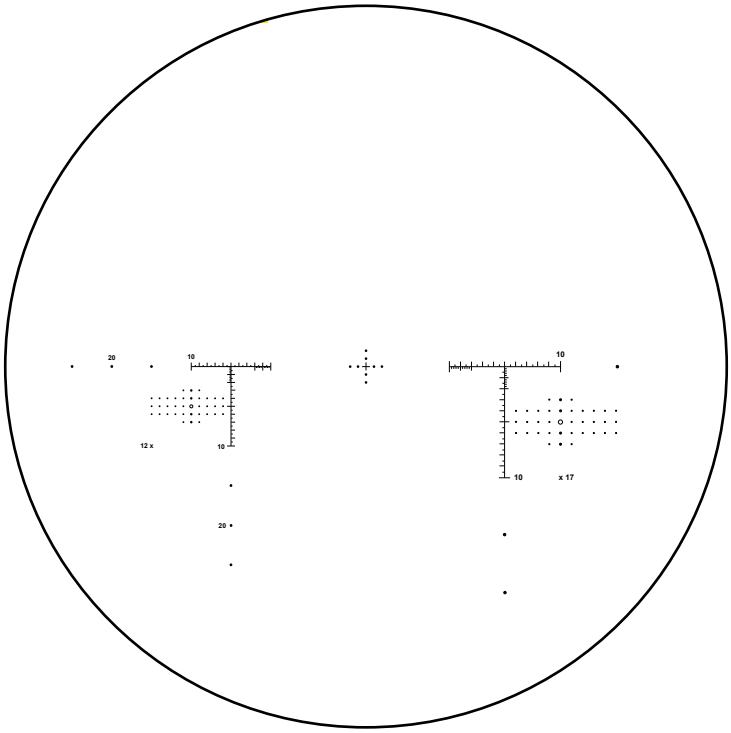
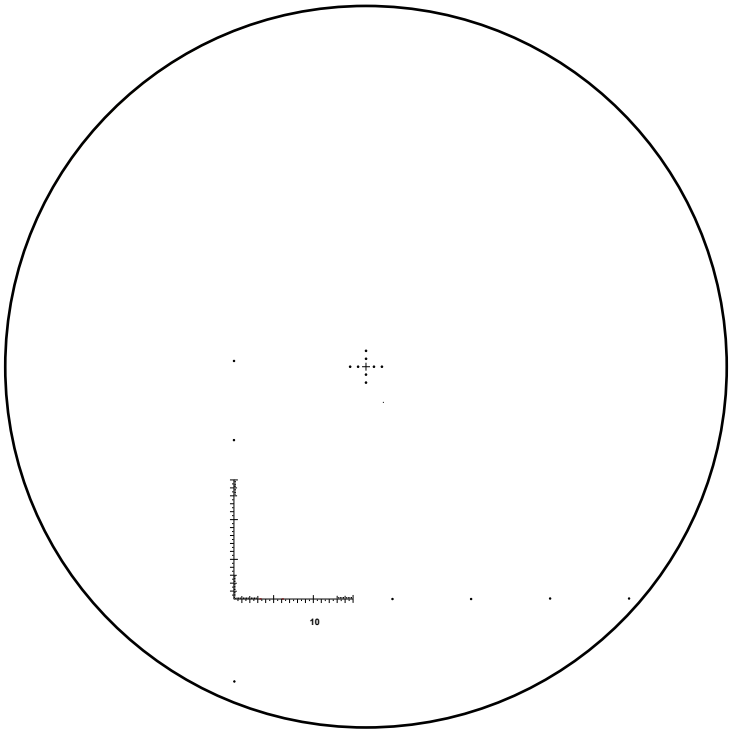
MSR-DMR reticle optimized for usage with Range Enhancers 42



MSR-SMR reticle optimized for usage without Range Enhancers 42



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