



Manufacturer & Model Name	Vectronix Vector 23	Vectronix Terrapin	Leica Geovid HD-B	Leica Geovid HD Classic	Zeiss Victory RF	Bushnell Fusion 1 Mile	Bushnell Fusion 1600	Leupold RX-1000i TBR
Street Price ¹	\$23,800	\$1,995	\$2,995	\$2,399	\$2,799	\$1,199	\$850	\$399
Measured Weight in Use ² (oz)	64.0	18.6	39.4	37.6	41.4	35.6	35.2	7.6
Measured Dimensions ³ (in)	8.9 × 7.0 × 3.2	5.4 × 4.1 × 2.1	7.1 × 5.7 × 3.0	6.9 × 5.4 × 2.5	6.8 × 6.0 × 2.8	6.8 × 6.0 × 2.4	6.5 × 6.0 × 2.3	3.8 × 2.9 × 1.2
Housing	Unknown metal with rubber armored exterior	Anodized Aluminum	Magnesium with rubber armored exterior	Aluminum with rubber armored exterior	Magnesium with rubber armored exterior	T6105 Aluminum	T6105 Aluminum	Aluminum with rubber coating
Waterproof	✓	✓	✓	✓	✓	✓	✓	✓
Tripod Adaptable	✓ Built-In	✓ Built-In	✓ Optional Adapter	✓ Optional Adapter	✓ Optional Adapter	✓ Optional Adapter	✓ Optional Adapter	✗
Included Strap	Neoprene (not contoured) w/ quick attachments	Small Lanyard	Contoured Neoprene	Contoured Neoprene	Contoured Neoprene	Waffle padded nylon (not contoured)		Small Lanyard
Limited Warranty: Length of Time	1 yr	1 yr	5 yr	5 yr	Lifetime	2 yr	2 yr	2 yr
Limited Warranty: Is Transferrable	✗	✗	✗	✗	✓	✗	✗	✗
Manufacturer Part #	906098	909207	40049	40039	524518	202310	201042	-

Ranging Specs								
Beam Divergence (mrad)	< 0.3	2.4 × 0.4	2.7 × 1.5	2.5 × 0.5	1.6 × 0.5	1.5 × 3.0 ⁴	1.5 × 3.0 ⁴	1.31
Tested Max Range ⁵ (yd)	31,612 <small>Claimed: 27,340</small>	4,950 <small>Claimed: 2,624</small>	1,950 <small>Claimed: 2,000</small>	800 <small>Claimed: 1,400</small>	1,600 <small>Claimed: 1,300</small>	1,760 <small>Claimed: 1,760</small>	800 <small>Claimed: 1,600</small>	800 <small>Claimed: 1,000</small>
Tested Min Range (yd)	9 <small>Claimed: 27</small>	6 <small>Claimed: 22</small>	10 <small>Claimed: 10</small>	10 <small>Claimed: 10</small>	10 <small>Claimed: 10</small>	9 <small>Claimed: 10</small>	5 <small>Claimed: 10</small>	5 <small>Claimed: 5</small>
Claimed Accuracy (yd)	± 5	± 3	± 1 to 550 yd, ± 2 to 1100 yd, 0.5% beyond	± 1 to 380 yd, ± 2 to 763 yd, 0.5% beyond	± 1 to 656 yd, 0.5% beyond	± 1	± 1	± 0.5 to 125 yd, ± 3 beyond
Tested Repetition Rate (Ranges/min)	12	12	24	42	56	35	42	56
Receiver Optic (Rx) Aperture Size (mm)	42	24	MFR refused to specify	MFR refused to specify	MFR refused to specify	MFR refused to specify	MFR refused to specify	MFR refused to specify
Laser Type (nm)	1550	905	904	904	904	900-910	900-910	895-915
Pulse Duration (nanoseconds)	?	?	50	50	?	40	40	20
Battery Type	2 CR5 Lithium	2 CR123 Lithium	1 CR2 Lithium	1 CR2 Lithium	1 CR2 Lithium	1 CR123 Lithium	1 CR123 Lithium	1 CR2 Lithium
Battery Life (# of measurements)	5,000	7,000	2,000	2,000	10,000	2,000	2,000	10,000
Equivalent Horizontal Range Function	✓	✗	✓	✗	✗	✗	✗	Limited to 125 yd
Display Multiple Object Distances Function	✓	✓	✗	✗	✗	✗	✗	✗
Advanced Ranging Modes	Multiple Objects, Equivalent Horizontal Range, Distance Between 2 Objects, & more	Multiple Objects	Scan, Equivalent Horizontal Range ✓ Yes	Scan	Scan	Scan, Closest Object, Furthest Object	Scan, Closest Object, Furthest Object	Scan, Furthest Object
Ballistics Functions	✗	✗	Allows custom ballistic curves & takes temp, angle of incline, and atmospheric pressure into consideration, provides variety of output	✗	Limited to 500 yd 6 preset ballistic curves, provides holdover info in inches out to 500 yards max	Limited to 800 yd 8 preset ballistic curves, includes angle compensation, provides holdover info in inches, mil, or MOA to 800 yd max	Limited to 800 yd 8 preset ballistic curves, includes angle compensation, provides holdover info in inches, mil, or MOA to 800 yd max	Limited to 800 yd 7 preset ballistic curves, includes angle compensation, provides holdover info in inches, mil, or MOA to 800 yd max

Optical Specs								
Magnification	7	5	10	10	10	10	10	6
Objective Lens Diameter (mm)	42	24	42	42	45	42	42	22
Exit pupil (mm)	6	4.8	4.2	4.2	4.5	4.2	4.2	3.7
Eye Relief (mm)	18	20	20	15.6	15.5	18	18	16
Field of view at 1000 yards (ft)	360	426	342	331	330	305	305	320
Objective Angle of View	6.75°	8°	6.3°	6.3°	MFR refused to specify	5.8°	5.8°	6°
Prism Type	MFR refused to specify	MFR refused to specify	Perger-Porro	Roof	Abbe-König Roof	Roof BaK-4	Roof BaK-4	MFR refused to specify
Glass	MFR refused to specify	MFR refused to specify	HD Fluoride Glass Fully Multicoated, HDC multi-layer coating, Anti-Reflective coating, hydrophobic Aqua-Dura coating, P40 Phase Corrective coating	HD Fluoride Glass Fully Multicoated, Anti-Reflective coating, hydrophobic Aqua-Dura coating, P40 Phase Corrective coating	Fluoride Glass	MFR refused to specify	MFR refused to specify	MFR refused to specify
Coatings	MFR refused to specify	MFR refused to specify	Multicoated, Anti-Reflective coating, hydrophobic Aqua-Dura coating, P40 Phase Corrective coating	Multicoated, Anti-Reflective coating, hydrophobic Aqua-Dura coating, P40 Phase Corrective coating	Carl Zeiss T* multi-layer coating, LotuTec protective lens coating	Fully Multicoated, Anti-Reflective coating, Raingard HD, PC-3 Phase Corrective coating	Fully Multicoated, Anti-Reflective coating, Raingard HD, PC-3 Phase Corrective coating	Multicoated
Relative Brightness (RE)	36.0	23.0	17.6	17.6	20.3	17.6	17.6	13.4
Twilight Factor	17.1	11.0	20.5	20.5	21.2	20.5	20.5	11.5
Measured Focus Rotations	0.7	NA	1.7	1.7	1	1.6	1.5	NA
Focus System	Individual Eye Piece Focus	NA	Central	Central	Central	Central	Central	NA

This reflects the price each model was available for online through a major, reputable distributor as of Nov 2013.
 *Includes batteries, lens covers, and included carrying strap
 *Although Bushnell doesn't publish their beam divergence, and actually won't tell you if you call ... I talked to Paul Arnold, Bushnell's Public Relations Manager, and he agreed to share this with me for this post.
 *All ranges were on reflective targets approximately 2 MOA in size in 200 yard increments in ideal atmospheric conditions (i.e. low light, great visibility). This excludes the max distances for the Vectronix models, because there were not targets available beyond 2,000 yards. Both max ranges Vectronix units were the side of a canyon wall, and the Vector 23 range was actually taken in bright midday light.