

Specifications

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	MONARCH 			MONARCH 		
						
Model name	MONARCH 7 10x30	MONARCH 7 8x42	MONARCH 7 10x42	MONARCH 5 8x42	MONARCH 5 10x42	MONARCH 5 12x42
Magnification (x)	10	8	10	8	10	12
Objective diameter (mm)	30	42	42	42	42	42
Angular field of view (Real/degree)	6.7	8.0	6.7	6.3	5.5	5.0
Angular field of view (Apparent/degree)	60.7	58.4	60.7	47.5	51.3	55.3
Field of view at 1,000m (m)	117	140	117	110	96	87
Exit pupil (mm)	3.0	5.3	4.2	5.3	4.2	3.5
Relative brightness	9.0	28.1	17.6	28.1	17.6	12.3
Eye relief (mm)	15.8	17.1	16.5	19.5	18.4	15.1
Close focusing distance (m)	2.0	2.5	2.5	2.5	2.5	2.5
Interpupillary distance adjustment (mm)	56-72	56-72	56-72	56-72	56-72	56-72
Weight (g)	440	650	660	590	600	600
Length (mm)	119	142	142	145	145	145
Width (mm)	123	130	130	129	129	129
Depth (mm)	48	57	57	55	55	55
Type	Roof	Roof	Roof	Roof	Roof	Roof
	MONARCH 			PROSTAFF  s		
						
Model name	MONARCH 5 8x56	MONARCH 5 16x56	MONARCH 5 20x56	PROSTAFF 7S 8x30	PROSTAFF 7S 10x30	PROSTAFF 7S 8x42
Magnification (x)	8	16	20	8	10	8
Objective diameter (mm)	56	56	56	30	30	42
Angular field of view (Real/degree)	6.2	4.1	3.3	6.5	6.0	6.8
Angular field of view (Apparent/degree)	46.9	59.6	59.9	48.9	55.3	50.8
Field of view at 1,000m (m)	108	72	58	114	105	119
Exit pupil (mm)	7.0	3.5	2.8	3.8	3.0	5.3
Relative brightness	49.0	12.3	7.8	14.4	9.0	28.1
Eye relief (mm)	20.5	16.4	16.4	15.4	15.4	19.5
Close focusing distance (m)	7.0	5.0	5.0	2.5	2.5	4.0
Interpupillary distance adjustment (mm)	60-72	60-72	60-72	56-72	56-72	56-72
Weight (g)	1,140	1,230	1,235	415	420	650
Length (mm)	199	199	199	119	119	167
Width (mm)	146	146	146	123	123	129
Depth (mm)	67	67	67	49	49	55
Type	Roof	Roof	Roof	Roof	Roof	Roof

Note: Apparent field of view is calculated based on the ISO 14132-1:2002 standard. For details, see p 54.

Specifications

	PROSTAFF 		PROSTAFF 				ACULON T01			ACULON W10			ACULON T51	ACULON T11	ACULON A211
															
Model name	PROSTAFF 7S 10x42	PROSTAFF 5 8x42	PROSTAFF 5 10x42	PROSTAFF 5 10x50	PROSTAFF 5 12x50	ACULON T01 8x21		ACULON T01 10x21	ACULON W10 8x21	ACULON W10 10x21	ACULON T51 8x24	ACULON T51 10x24	ACULON T11 8-24x25 (set at 8x)	ACULON A211 7x35	
Magnification (x)	10	8	10	10	12	8		10	8	10	8	10	8-24	7	
Objective diameter (mm)	42	42	42	50	50	21		21	21	21	24	24	25	35	
Angular field of view (Real/degree)	6.2	6.3	5.6	5.6	4.7	6.3		5.0	6.3	5.0	6.2	5.3	4.6	9.3	
Angular field of view (Apparent/degree)	56.9	47.5	52.1	52.1	52.4	47.5		47.2	47.5	47.2	46.9	49.7	35.6	59.3	
Field of view at 1,000m (m)	108	110	98	98	82	110		87	110	87	108	93	80	163	
Exit pupil (mm)	4.2	5.3	4.2	5.0	4.2	2.6		2.1	2.6	2.1	3.0	2.4	3.1	5.0	
Relative brightness	17.6	28.1	17.6	25.0	17.6	6.8		4.4	6.8	4.4	9.0	5.8	9.6	25.0	
Eye relief (mm)	15.5	17.5	15.2	19.6	15.5	10.3		8.3	10.3	8.3	12.2	10.6	13.0	11.8	
Close focusing distance (m)	4.0	5.0	5.0	5.0	5.0	3.0		3.0	3.0	3.0	2.5	2.5	4.0	5.0	
Interpupillary distance adjustment (mm)	56-72	56-72	56-72	56-72	56-72	56-72		56-72	56-72	56-72	56-72	56-72	56-72	56-72	
Weight (g)	645	630	630	815	790	195		195	215	215	200	200	305	685	
Length (mm)	164	165	163	187	183	87		87	87	87	103	102	123	118	
Width (mm)	129	130	130	140	140	104		104	110	110	105	105	109	185	
Depth (mm)	55	54	54	65	65	34		34	34	34	29	29	51	62	
Type	Roof	Roof	Roof	Roof	Roof	Roof		Roof	Roof	Roof	Roof	Roof	Porro	Porro	
	ACULON A211														
										ACULON A30		High Grade			
															
Model name	ACULON A211 8x42	ACULON A211 10x42	ACULON A211 7x50	ACULON A211 10x50	ACULON A211 12x50	ACULON A211 16x50		ACULON A211 8-18x42 (set at 8x)	ACULON A211 10-22x50 (set at 10x)	ACULON A30 8x25	ACULON A30 10x25	8x42HG L DCF	10x42HG L DCF	8x32HG L DCF	
Magnification (x)	8	10	7	10	12	16		8-18	10-22	8	10	8	10	8	
Objective diameter (mm)	42	42	50	50	50	50		42	50	25	25	42	42	32	
Angular field of view (Real/degree)	8.0	6.0	6.4	6.5	5.2	4.2		4.6	3.8	6.0	5.0	7.0	6.0	7.8	
Angular field of view (Apparent/degree)	58.4	55.3	42.7	59.2	57.2	60.8		35.6	36.7	45.5	47.2	52.1	55.3	57.2	
Field of view at 1,000m (m)	140	105	112	114	91	73		80	66	105	87	122	105	136	
Exit pupil (mm)	5.3	4.2	7.1	5.0	4.2	3.1		5.3	5.0	3.1	2.5	5.3	4.2	4.0	
Relative brightness	28.1	17.6	50.4	25.0	17.6	9.6		28.1	25.0	9.6	6.3	28.1	17.6	16.0	
Eye relief (mm)	12.0	11.6	17.6	11.8	11.5	12.6		9.8	8.6	15.0	13.0	20.0	18.5	17.0	
Close focusing distance (m)	5.0	5.0	8.0	7.0	8.0	9.0		13.0	15.0	3.0	3.0	3.0	3.0	2.5	
Interpupillary distance adjustment (mm)	56-72	56-72	56-72	56-72	56-72	56-72		56-72	56-72	56-72	56-72	56-72	56-72	56-72	
Weight (g)	755	760	905	900	910	925		825	960	275	275	795	790	695	
Length (mm)	145	145	180	179	179	179		163	197	125	122	157	157	129	
Width (mm)	185	185	197	197	197	197		185	197	115 (72*)	115 (72*)	139	139	138	
Depth (mm)	62	62	68	68	68	68		61	68	44 (56*)	44 (56*)	62	62	57	
Type	Porro	Porro	Porro	Porro	Porro	Porro		Porro	Porro	Roof	Roof	Roof	Roof	Roof	

Specifications

Note: Apparent field of view is calculated based on the ISO 14132-1:2002 standard. For details, see p 54.

Specifications

	High Grade			Elegant Compact			Compact							
														
Model name	10x32HG L DCF	8x20HG L DCF	10x25HG L DCF	4x10DCF	6x15M CF	7x15M CF Black	5x15 HG Monocular	7x15 HG Monocular	Sportstar EX 8x25DCF	Sportstar EX 10x25DCF	TRAVELITE EX 8x25CF	TRAVELITE EX 9x25CF	TRAVELITE EX 10x25CF	TRAVELITE EX 12x25CF
Magnification (x)	10	8	10	4	6	7	5	7	8	10	8	9	10	12
Objective diameter (mm)	32	20	25	10	15	15	15	15	25	25	25	25	25	25
Angular field of view (Real/degree)	6.5	6.8	5.4	10.0	8.0	7.0	9.0	6.6	8.2	6.5	6.3	5.6	5.0	4.2
Angular field of view (Apparent/degree)	59.2	50.8	50.5	38.6	45.5	46.4	43.0	44.0	59.7	59.2	47.5	47.5	47.2	47.5
Field of view at 1,000m (m)	114	119	94	175	140	122	157	115	143	114	110	98	87	73
Exit pupil (mm)	3.2	2.5	2.5	2.5	2.5	2.1	3.0	2.1	3.1	2.5	3.1	2.8	2.5	2.1
Relative brightness	10.2	6.3	6.3	6.3	6.3	4.4	9.0	4.4	9.6	6.3	9.6	7.8	6.3	4.4
Eye relief (mm)	16.0	15.0	15.0	13.7	10.1	10.0	15.8	12.0	10.0	10.0	15.5	15.8	15.9	15.9
Close focusing distance (m)	2.5	2.4	3.2	1.2	2.0	2.0	0.6	0.8	2.5	3.5	2.8	2.8	2.8	2.8
Interpupillary distance adjustment (mm)	56-72	56-72	56-72	57-72	56-72	56-72	—	—	56-72	56-72	56-72	56-72	56-72	56-72
Weight (g)	695	270	300	65	130	135	75	75	300	300	355	360	365	365
Length (mm)	129	96	112	52	48	47	71	71	103	103	100	101	102	103
Width (mm)	138	109 (65*)	109 (67*)	93	108	108	30	30	114 (67*)	114 (67*)	116	116	116	116
Depth (mm)	57	45 (49*)	45 (49*)	19	36	36	30	30	43 (54*)	43 (54*)	56	56	56	56
Type	Roof	Roof	Roof	Roof	Porro	Porro	Roof	Roof	Roof	Roof	Porro	Porro	Porro	Porro
*Folded	Compact			Marine			Standard							
														
Model name	TRAVELITE VI 8x25CF	TRAVELITE VI 10x25CF	TRAVELITE VI 12x25CF	7x50CF WP	7x50CF WP Global Compass	7x50IF WP	7x50IF HP WP Tropical	10x70IF HP WP	10x50CF WP	Action EX 7x35CF	Action EX 8x40CF	Action EX 7x50CF	Action EX 10x50CF	Action EX 12x50CF
Magnification (x)	8	10	12	7	7	7	7	10	10	7	8	7	10	12
Objective diameter (mm)	25	25	25	50	50	50	50	70	50	35	40	50	50	50
Angular field of view (Real/degree)	5.6	5.0	4.2	7.2	7.2	7.5	7.3	5.1	6.2	9.3	8.2	6.4	6.5	5.5
Angular field of view (Apparent/degree)	42.7	47.2	47.5	47.5	47.5	49.3	48.1	48.0	56.9	59.3	59.7	42.7	59.2	59.9
Field of view at 1,000m (m)	98	87	73	126	126	131	128	89	108	163	143	112	114	96
Exit pupil (mm)	3.1	2.5	2.1	7.1	7.1	7.1	7.1	7.0	5.0	5.0	5.0	7.1	5.0	4.2
Relative brightness	9.6	6.3	4.4	50.4	50.4	50.4	50.4	49.0	25.0	25.0	25.0	50.4	25.0	17.6
Eye relief (mm)	14.0	11.1	11.1	22.7	22.7	15.0	15.0	15.0	17.4	17.3	17.2	17.1	17.2	16.1
Close focusing distance (m)	3.0	3.0	4.0	10.0	10.0	25.0	24.5	50.0	17.0	5.0	5.0	7.0	7.0	7.0
Interpupillary distance adjustment (mm)	56-72	56-72	56-72	56-72	56-72	59-72	56-72	56-72	56-72	56-72	56-72	56-72	56-72	56-72
Weight (g)	265	270	275	1,115	1,130	1,115	1,360	1,985	1,070	800	855	1,000	1,020	1,045
Length (mm)	115	110	110	193	193	178	217	304	190	120	138	179	178	178
Width (mm)	118	118	118	202	202	203	210	234	202	184	187	196	196	196
Depth (mm)	54	54	54	71	81	70	80	91	71	62	63	68	68	68
Type	Porro	Porro	Porro	Porro	Porro	Porro	Porro	Porro	Porro	Porro	Porro	Porro	Porro	Porro

Specifications

Note: Apparent field of view is calculated based on the ISO 14132-1:2002 standard. For details, see below.

	Standard	The Standard for Advanced Nature Observation				
						
Model name	Action EX 16x50CF	8x30E II	10x35E II	7x50IF SP WP	10x70IF SP WP	18x70IF WP WF
Magnification (x)	16	8	10	7	10	18
Objective diameter (mm)	50	30	35	50	70	70
Angular field of view (Real/degree)	3.5	8.8	7.0	7.3	5.1	4.0
Angular field of view (Apparent/degree)	52.1	63.2	62.9	48.1	48.0	64.3
Field of view at 1,000m (m)	61	154	122	128	89	70
Exit pupil (mm)	3.1	3.8	3.5	7.1	7.0	3.9
Relative brightness	9.6	14.4	12.3	50.4	49.0	15.2
Eye relief (mm)	17.8	13.8	13.8	16.2	16.3	15.4
Close focusing distance (m)	7.0	3.0	5.0	12.4	25.0	81.0
Interpupillary distance adjustment (mm)	56-72	56-72	56-72	56-72	56-72	56-72
Weight (g)	1,040	575	625	1,485	2,100	2,050
Length (mm)	177	101	126	217	304	293
Width (mm)	196	181	183	210	234	234
Depth (mm)	68	54	54	80	91	91
Type	Porro	Porro	Porro	Porro	Porro	Porro

Binocular Accessories

Tripod/monopod adaptors

TRA-2 Usable models

- ACULON A211 series
- Action series
- Action zoom series
- Action EX series
- 7x50CF WP/
7x50CF WP Compass/
7x50CF WP Global Compass
- 7x50IF WP/
7x50IF WP Compass
- 10x50CF WP



TRA-3 Usable models

- EDG 8x32/10x32/7x42/8x42/10x42
- MONARCH 7 8x30/10x30/8x42/10x42
- MONARCH 5 8x42/10x42/12x42/8x56/16x56/20x56
- MONARCH 36/42/56 series
- PROSTAFF 7S 8x42/10x42
- PROSTAFF 7 8x42/10x42
- Action series
- Action zoom series
- Action EX series
- 7x50CF WP/7x50CF WP Compass/7x50CF WP Global Compass
- 7x50IF WP/7x50IF WP Compass
- 10x50CF WP



Usable models

- 7x50IF HP WP Tropical
- 8x32SE CF/10x42SE CF/12x50SE CF
- 18x70IF WP WF
- 7x50IF SP WP/10x70IF SP WP
- 10x70IF HP WP
- 8x30E II/10x35E II



Adaptor H (for roof prism binoculars)Usable models

- EDG 8x32/10x32/7x42/8x42/10x42
- MONARCH 7 8x30/10x30/8x42/10x42
- MONARCH 5 8x42/10x42/12x42
- MONARCH 36/42 series
- PROSTAFF 7S 8x30/10x30/8x42/10x42
- PROSTAFF 7 8x42/10x42
- PROSTAFF 5 8x42/10x42
- 8x42HG L DCF
- 10x42HG L DCF
- 8x32HG L DCF
- 10x32HG L DCF



Hard (H) type

Values for Apparent Field of View

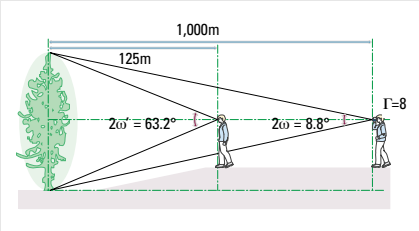
With the conventional method used previously, the apparent field of view was calculated by multiplying the real field of view by the binocular magnification. After revision, Nikon's figures are now based on the ISO 14132-1:2002 standard, and obtained by the following formula:

$$\tan \omega' = \Gamma \times \tan \omega$$

Apparent field of view: $2\omega'$
Real field of view: 2ω
Magnification: Γ

For example, the apparent field of view of 8x binoculars with an 8.8° real field of view is as follows:

$$2\omega' = 2 \times \tan^{-1} (\Gamma \times \tan \omega) \\ = 2 \times \tan^{-1} (8 \times \tan 4.4^\circ) \\ = 63.2^\circ$$



Referring to the ISO 14132-2:2002 standard that was established at the same time as the abovementioned ISO 14132-1:2002, binoculars that provide an apparent field of view over 60° are considered wide-viewfield binoculars.

Binoculars



EDG Fieldscope 85 VR



EDG Fieldscope 85-A VR



EDG Fieldscope 85



EDG Fieldscope 85-A

EDG VR Fieldscopes

Model name	EDG Fieldscope 85 VR	EDG Fieldscope 85-A VR
Objective diameter (mm)	85	85
Close focusing distance (m)	5.0	5.0
Length (mm) ^{*1}	379	398
Height x width (mm) ^{*1}	141 x 104	141 x 104
Weight (g) ^{*1}	2,400 (without batteries)	2,400 (without batteries)
Vibration Reduction effects (at 25°C) ^{*2}	Observation: Degree of vibration is reduced to approx. 1/8 Digiscoping: Equivalent of a shutter speed approx. 2 stops faster	
Power source	AA alkaline battery x4, AA lithium battery x4 or AA Ni-MH (nickel metal hydride) battery x4	
Battery (life at 25°C) ^{*3}	Approx. 17 hours (AA alkaline battery), approx. 31 hours (AA lithium battery), approx. 15 hours [AA Ni-MH (nickel metal hydride) battery]	

^{*1} Body only. ^{*2} Based on Nikon Fieldscope measuring standard (used with tripod). ^{*3} Battery life varies depending on conditions, temperature and vibration.



EDG Fieldscope 65



EDG Fieldscope 65-A

EDG Fieldscopes

Model name	EDG Fieldscope 85	EDG Fieldscope 85-A	EDG Fieldscope 65	EDG Fieldscope 65-A
Objective diameter (mm)	85	85	65	65
Length (mm)*	379	398	313	332
Height x width (mm)*	127 x 102	131 x 102	120 x 88	131 x 88
Weight (g)*	2,030	2,030	1,560	1,620

*Body only.

Eyepieces for EDG Fieldscopes

	Model name	Magnification (x)	Angular field of view (Real/degree)	Angular field of view (Apparent/degree) ^{*2}	Field of view at 1,000m (m) (approx.)	Exit pupil (mm)	Relative brightness	Eye relief (mm)	Weight (g)
FEP-20W	With EDG 65 series	16	4.1	60.0	72	4.1	16.8	20.1	240
	With EDG 85 series	20	3.3	60.0	58	4.3	18.5	20.1	240
FEP-30W	With EDG 65 series	24	3.0	64.3	52	2.7	7.3	25.4	390 ^{*1}
	With EDG 85 series	30	2.4	64.3	42	2.8	7.8	25.4	390 ^{*1}
FEP-38W	With EDG 65 series	30	2.4	64.3	42	2.2	4.8	17.9	230
	With EDG 85 series	38	1.9	64.3	33	2.2	4.8	17.9	230
FEP-50W	With EDG 65 series	40	1.8	64.3	31	1.6	2.6	17.8	230
	With EDG 85 series	50	1.4	64.3	24	1.7	2.9	17.8	230
FEP-75W	With EDG 65 series	60	1.2	64.3	21	1.1	1.2	17	230
	With EDG 85 series	75	1.0	64.3	17	1.1	1.2	17	230
FEP-25 LER	With EDG 65 series	20	3.0	55.3	52	3.3	10.9	32.3	320
	With EDG 85 series	25	2.4	55.3	42	3.4	11.6	32.3	320
FEP-20-60	With EDG 65 series	16-48	2.8-1.4	42-60	49-24	4.1-1.4	16.8-2.0	18.4-16.5	330
	With EDG 85 series	20-60	2.2-1.1	42-60	38-19	4.3-1.4	18.5-2.0	18.4-16.5	330

^{*1} With detachable turn-and-slide eyecup ^{*2} Apparent field of view is calculated based on the ISO 14132-1:2002 standard. For details, see p 54.

Fieldscopes

Fieldscopes

							
Model name	PROSTAFF 5 Fieldscope 82	PROSTAFF 5 Fieldscope 82-A	PROSTAFF 5 Fieldscope 60	PROSTAFF 5 Fieldscope 60-A	PROSTAFF 3 Fieldscope *2	Fieldscope ED50	Fieldscope ED50 A
Objective diameter (mm)	82	82	60	60	60	50	50
Length (mm)*1	377	392	290	305	313	209	207
Width (mm)*1	95	95	85	85	74	71	71
Weight (g)*1	950	960	740	750	620	455	470

*1 Body only (except PROSTAFF 3 Fieldscope). *2 For detailed specifications, see p 57.

Eyepieces for PROSTAFF 5 Fieldscopes

	Model name	Magnification (x)	Angular field of view (Real/degree)	Angular field of view (Apparent/degree)*	Field of view at 1,000m (m) (approx.)	Exit pupil (mm)	Relative brightness	Eye relief (mm)	Weight (g)
	SEP-25								
	With 60/60-A	20	2.8	51.3	48	3.0	9.0	17.6	135
	With 82/82-A	25	2.2	51.3	38	3.3	10.9	17.6	135
	SEP-38W								
	With 60/60-A	30	2.3	62.1	40	2.0	4.0	19.0	185
	With 82/82-A	38	1.8	62.1	31	2.2	4.8	19.0	185
	SEP-20-60								
	With 60/60-A	16-48	2.6 (at 16x)	39.9 (at 16x)	45 (at 16x)	3.8 (at 16x)	14.4 (at 16x)	16.9 (at 16x)	225
	With 82/82-A	20-60	2.1 (at 20x)	39.9 (at 20x)	36 (at 20x)	4.1 (at 20x)	16.8 (at 20x)	16.9 (at 20x)	225

* Apparent field of view is calculated based on the ISO 14132-1:2002 standard. For details, see p 54.

PROSTAFF 3 Fieldscopes

Model name	Magnification (x)	Angular field of view (Real/degree)	Angular field of view (Apparent/degree)*	Field of view at 1,000m (m) (approx.)	Exit pupil (mm)	Relative brightness	Eye relief (mm)
PROSTAFF 3 Fieldscope	16-48	2.3 (at 16x)	35.6 (at 16x)	40 (at 16x)	3.8 (at 16x)	14.4 (at 16x)	19.0 (at 16x)

* Apparent field of view is calculated based on the ISO 14132-1:2002 standard. For details, see p 54.

Eyepieces for Fieldscope ED50/ED50 A

	Model name	Magnification (x)	Angular field of view (Real/degree)	Angular field of view (Apparent/degree)*3	Field of view at 1,000m (m) (approx.)	Exit pupil (mm)	Relative brightness	Eye relief (mm)	Weight (g)
	13-30x/20-45x/25-56x MC zoom *1	13-30	3.0 (at 13x)	38.5 (at 13x)	52 (at 13x)	3.8 (at 13x)	14.4 (at 13x)	12.9 (at 13x)	100
	13-40x/20-60x/25-75x MC II zoom *1*2 With ED50/ED50 A	13-40	3.0 (at 13x)	38.5 (at 13x)	52 (at 13x)	3.8 (at 13x)	14.4 (at 13x)	14.1 (at 13x)	150
	16x/24x/30x Wide DS *1*2 With ED50/ED50 A	16	4.5	64.3	79	3.1	9.6	18.7	170
	27x/40x/50x Wide DS *1*2 With ED50/ED50 A	27	2.7	64.3	47	1.9	3.6	17.8	180
	40x/60x/75x Wide DS *1*2 With ED50/ED50 A	40	1.8	64.3	31	1.3	1.7	17.0	190

*1 These eyepieces are not to be used for Fieldscope I series. *2 Turn-and-slide rubber eyecup. *3 Apparent field of view is calculated based on the ISO 14132-1:2002 standard. For details, see p 54.
Note: All eyepieces can be used for Fieldscope II series, ED78 series, III series, EDIII series and ED82 series.

								
Model name		COOLSHOT 40i	COOLSHOT 40	COOLSHOT 20	PROSTAFF 7i	PROSTAFF 3i	ACULON	Forestry Pro
Measurement range		7.5-590m/8-650 yd.		5-500m/6-550 yd.	7.3-1,200m/8-1,300 yd.	7.3-590m/8-650 yd.	5-500m/6-550 yd.	Distance: 10-500m/11-550 yd./33-999 ft. (*999 ft.: 304.5m/333 yd.) Angle: ±89°
Distance display (Increment)		Actual distance (upper 4-digit): every 0.5m/yd. Actual distance (lower 3-digit): every 1m/yd. Horizontal distance (upper 4-digit): every 0.2m/yd. Height (lower 3-digit): every 0.2m/yd. (shorter than 100m/yd.) every 1m/yd. (100m/yd. and over) Slope adjusted distance (Horizontal distance ±Height) (upper 4-digit): every 0.2m/yd.	Actual distance: every 0.5m/yd.	Actual distance: every 1m/yd.	Actual distance: every 0.1m/yd. (shorter than 1,000m/yd.) every 1m/yd. (1,000m/yd. and over)	Actual distance: every 0.1 m/yd.	Actual distance: every 1m/yd.	[Internal Display] Act (Actual Distance): every 0.5m/yd., 1 ft. (shorter than 100m/yd./ft.) every 1m/yd./ft. (100m/yd./ft. and over) Hor (Horizontal Distance) and Hgt (Height): every 0.2m/yd., 0.5 ft. (shorter than 100m/yd./ft.) every 1m/yd./ft. (100m/yd./ft. and over) Ang (Angle): every 0.1° (less than 10°) every 1° (10° and over) *Downward angle from the horizontal line: with display "-" [External Display] Act (Actual Distance): every 0.5m/yd., 1 ft. Hor (Horizontal Distance) and Hgt (Height): every 0.2m/yd., 0.5 ft. Ang (Angle): every 0.1°
Accuracy* (actual distance)		±0.75m/yd.		±1m/yd. (shorter than 100m/yd.) ±2m/yd. (100m/yd. and over)	±0.5m/yd. (shorter than 600m/yd.) ±1m/yd. (600m/yd. and over, shorter than 1,000m/yd.) ±1.5m/yd. (1,000m/yd. and over)	±0.5m/yd.	±1m/yd. (shorter than 100m/yd.) ±2m/yd. (100m/yd. and over)	±1m/yd. (shorter than 300m/yd./900 ft.) ±0.6% (300m/yd./900 ft. and over)
Finder	Magnification (x)	6		6	6	6	6	6
	Effective objective diameter (mm)	21		20	21	21	20	21
	Actual field of view (°)	7.5		6.0	7.5	7.5	6.0	6.0
	Exit pupil (mm)	3.5		3.3	3.5	3.5	3.3	3.5
	Eye relief (mm)	18.3		16.7	18.3	18.3	16.7	18.2
Dimensions (L x H x W) (mm)		112 x 70 x 36		91 x 73 x 37	113 x 70 x 39	112 x 70 x 36	91 x 73 x 37	130 x 69 x 45
Weight (excluding battery) (g)		160		125	175	160	125	210
Power source		CR2 lithium battery x 1 (DC 3V) Auto power shutoff function equipped (after about 8 sec.)			CR2 lithium battery x 1 (DC3V) Auto power shutoff function equipped (after 8 sec.)			CR2 lithium battery x 1 (DC3V) Auto power shutoff function equipped (after 30 sec.)
Laser classification		IEC60825-1: Class 1M Laser Product FDA/21 CFR Part 1040.10: Class I Laser Product			IEC60825-1: Class 1M Laser Product FDA/21 CFR Part 1040.10: Class I Laser Product			
Electromagnetic compatibility		FCC Part15 SubPartB class B, EU: EMC directive, AS/NZS, VCCI classB, CU TR 020			FCC Part15 SubPartB class B, EU: EMC directive, AS/NZS, VCCI classB, CU TR 020			
Environment		RoHS, WEEE			RoHS, WEEE			

The specifications of these products may not be achieved depending on the target object’s shape, surface texture and nature, and/or weather conditions.

* Under Nikon’s measurement conditions.