

## Nikon COMPENDIUM

Nikon Rangefinder Cameras										
Camera-model	Frame size (mm)	Date of introduction	Product. figs. (approx.)	Shutter speeds	View-finder magnif.	Finder frames for:	Film advance	Synch. terminal	Self-timer	Motor-drive coupling
Nikon I	24 x 32	1948	739	$\frac{1}{20} - \frac{1}{500}$ ; 1 - $\frac{1}{8}$	0.6x	50 mm	Rotating knob	—	—	—
Nikon M	24 x 34	1949	3200	$\frac{1}{20} - \frac{1}{500}$ ; 1 - $\frac{1}{8}$	0.6x	50 mm	Rotating knob	— *	—	—
Nikon S	24 x 34	1951	35200	$\frac{1}{20} - \frac{1}{500}$ ; 1 - $\frac{1}{8}$	0.6x	50 mm	Rotating knob	M	—	—
Nikon S2	24 x 36	1954	56715	$\frac{1}{30} - \frac{1}{1000}$ ; 1 - $\frac{1}{15}$	1.0x	50 mm	Rotating knob	M + X $\frac{1}{60}$	+	S 36
Nikon SP	24 x 36	1957	22350	1 - $\frac{1}{1000}$	1.0x	28/35; 50; 85; 105; 135 mm	Advance lever	M + X $\frac{1}{60}$	+	S 36
Nikon S3	24 x 36	1958	14310	1 - $\frac{1}{1000}$	1.0x	35; 50; 105 mm	Advance lever	M + X $\frac{1}{60}$	+	S 36
Nikon S4	24 x 36	1959	5900	1 - $\frac{1}{1000}$	1.0x	50; 135 mm	Advance lever	M + X $\frac{1}{60}$	—	—
Nikon S3M	17 x 24	1960	195	1 - $\frac{1}{1000}$	1.0x	35; 50; 135 mm	Advance lever	M + X $\frac{1}{60}$	+	S 72

\* Sometimes fitted later

Lenses for Nikon Rangefinder Cameras							
Type	Bayonet/Thread	Date introduced	Smallest aperture	Closest focusing distance	Elements/groups	Filter thread	Weight (g)
21/4.0	B	1959	16	0.90	8/4	43	140
25/4.0	B/T	1953	22	0.90	4/4	—	140
28/3.5	B/T	1952	22	0.90	6/4	43	155
35/3.5	B/T	1948	22	0.90	4/3	43	200
35/3.5 Stereo	B	1956	16	0.90	4/3	40.5	185
35/2.5	B/T	1952	22	0.90	6/4	43	220
35/1.8	B/T	1956	22	0.90	7/5	43	170
50/3.5 Micro	B/T	1956	22	0.45	5/4	34.5	145
50/3.5	B/T	1945	16	0.90	4/3	—	170
50/2.0	B/T	1946	16	0.90	6/3	40.5	185
50/1.5	B/T	1950	11	0.90	7/5	40.5	205
50/1.4	B/T	1950	16	0.90	7/3	43	210
50/1.1	B/T	1956	22	0.90	9/6	62	435
85/2.0	B/T	1948	16	1.00	5/3	48	465
85/1.5	B/T	1951	32	1.00	7/3	60	600
105/4.0	B	1959	22	1.20	3/3	34.5	280
105/2.5	B/T	1953	32	1.20	5/3	52	570
135/4.0	B/T	1947	16	1.50	4/3	40.5	560
135/3.5	B/T	1950	16	1.50	4/3	43	520
180/2.5 *	B/T	1953	32	2.10	6/4	82	1860
250/4.0 *	B/T	1951	32	3.00	4/3	68	1240
350/4.5 *	B	1959	22	4.00	3/3	82	1830
500/5.0 *	B/T	1952	45	7.50	3/3	110	8600
1000/6.3 *	B	1959	6.3	30.0	3/2	52	9980

\* usable only with mirror box

Nikon Cameras

Model	Type of bayonet	Shutter blind travel direction	Shutter construction	Shutter speeds	Shutter control	Exposure control	Metering cell	Metering range	Metering patterns	ISO Film speed range	Exposure compensation	Auto exp. lock	change viewfinder	Viewfinder displays <sup>10</sup>	Exp. meter display	Focusing screen provided/optional	Viewfinder image coverage	Viewfinder illum.
F	Non-Ai	H	Titan blades	1/1000-1 Sec.; B; T	mechan.	M	-	-	-	-	-	-	+	-	-	A/ B-R	100%	-
F Photomic (D3)	Non-Ai	H	Titan blades	1/1000-1 Sec.; B; T	mechan.	M	CdS	EV 3-17	integ.	25/15°-6400/39°	-	-	+	F; T; meter	needle	A/ B-R	100%	-
F Photomic T (D4)	Non-Ai	H	Titan blades	1/1000-1 Sec.; B; T	mechan.	M	CdS	EV 2-17	integ.	25/15°-6400/36°	-	-	+	F; T; meter	needle	A/ B-R	100%	-
F Photomic TN (D5)	Non-Ai	H	Titan blades	1/1000-1 Sec.; B; T	mechan.	M	CdS	EV 2-17	60:40%	25/15°-6400/39°	-	-	+	F; T; meter	needle	A/ B-R	100%	-
F Photomic FTN (D9)	Non-Ai	H	Titan blades	1/1000-1 Sec.; B; BT	mechan.	M	CdS	EV 2-17	60:40%	6/3°-6400/39°	+2/ -1/2	-	+	F; T; meter	needle	A/ B-R	100%	(DL-1)
F2	Non-Ai	H	Titan blades	1/2000-10 Sec.; B; T; X 1/80	mechan.	M	CdS	-	-	-	-	-	+	R	-	A/ B-R	100%	-
F2 Photomic (DP-1)	Non-Ai	H	Titan blades	1/2000-10 Sec.; B; T; X 1/80	mechan.	M	CdS	EV 1-17	60:40%	6/3°-6400/39°	+2/ -1/2	-	+	F; T; meter; R	needle	A/ B-R	100%	(DL-1)
F2 S Photomic (DP-2)	Non-Ai	H	Titan blades	1/2000-10 Sec.; B; T; X 1/80	mechan.	M	CdS	EV 2-17	60:40%	12/12°-6400/39°	+2/ -1/2	-	+	F; T; meter; R	LED	A/ B-R	100%	-
F2 SB Photomic (DP-3)	Non-Ai	H	Titan blades	1/2000-10 Sec.; B; T; X 1/80	mechan.	M	SPD	EV 2-17	60:40%	12/12°-6400/39°	+2/ -1/2	-	+	F; T; meter; R	LED	K/ B-R	100%	-
F2 A Photomic (DP-11)	Ai	H	Titan blades	1/2000-10 Sec.; B; T; X 1/80	mechan.	M	CdS	EV 1-17	60:40%	6/3°-6400/39°	+2/ -1/2	-	+	F; T; meter; R	needle	K/ B-R	100%	(DL-1)
F2 AS Photomic (DP-12)	Ai	H	Titan blades	1/2000-10 Sec.; B; T; X 1/80	mechan.	M	SPD	EV 2-17	60:40%	12/12°-6400/39°	+2/ -1/2	-	+	F; T; meter; R	LED	K/ B-R	100%	-
F2 H	Non-Ai	H	Titan blades	1/1000-1 Sec.	mechan.	M	SPD	EV 2-17	60:40%	-	-	-	+	R	-	B/ A-R	100%	-
F3; F3 HP; F3T	Ai	H	Titan blades	1/2000-8 Sec.; B; T; X 1/80	quartz	A; M	SPD	EV 1-18	80:20%	12/12°-6400/39°	+2	+	+	F; T; meter; R	LCD	K/ A-U	100%	+
F3 P	Ai	H	Titan blades	1/2000-8 Sec.; B; T; X 1/80	quartz	A; M	SPD	EV 1-18	80:20%	12/12°-6400/39°	+2	+	+	F; T; meter; R	LCD	B/ A-U	100%	+
F3 AF	Ai 1)	H	Titan blades	1/2000-8 Sec.; B; T; X 1/80	quartz	A; M	SPD	EV 1-18	80:20%	12/12°-6400/39°	+2	+	+	T; meter; R; AF	LCD	-/ A-U	100%	+
F4/F4 S/F4 E	AF	V	2 x 4 Alu- & plastic-blades	1/8000-4 (30)Sec.; B; T; X	quartz	P; PH; A; S; M	2x3 SPDs	EV 2-21	Matrix 60:40%; Spot	25/15°-5000/38° 6/9°-6400/39° DX	+2	+	+	T; F; meter; R; C; AF; FC	LED + LCD	B/ A-U	100%	+
Nikkormat F5	Non-Ai	V	Metal blades	1/1000-1 Sec.; B	mechan.	M	-	-	-	-	-	-	-	-	-	J	92%	-
Nikkormat FT	Non-Ai	V	Metal blades	1/1000-1 Sec.; B	mechan.	M	CdS	EV 3-17	60:40%	12/12°-1600/33°	-	-	-	meter	needle	J	92%	-
Nikkormat FTN	Non-Ai	V	Metal blades	1/1000-1 Sec.; B	mechan.	M	CdS	EV 3-17	60:40%	12/12°-1600/33°	-	-	-	T; Beli	needle	A or J	92%	-
Nikkormat FT2	Non-Ai	V	Metal blades	1/1000-1 Sec.; B	mechan.	M	CdS	EV 3-17	60:40%	12/12°-1600/33°	-	-	-	T; meter	needle	K	92%	-
Nikkormat FT3	Ai	V	Metal blades	1/1000-1 Sec.; B	mechan.	M	CdS	EV 3-17	60:40%	12/12°-1600/33°	-	-	-	T; meter	needle	K	92%	-
Nikkormat EL	Non-Ai	V	Metal-blades	1/1000-4 Sec.; B;	electron.	A; M	CdS	EV 1-18	60:40%	25/15°-1600/33°	-	+	-	T; meter	needle	A; J K	92%	-
Nikkormat EEV	Non-Ai	V	Metal-blades	1/1000-4 Sec.; B;	electron.	A; M	CdS	EV 1-18	60:40%	25/15°-1600/33°	-	+	-	T; meter	needle	K	92%	-

Model	Eye-piece shutter	Synch. speed	Synch. contacts	Synch. cord terminal	Accessory shoe	Flash-ready signal in viewfinder	ISO-range for TTL-flash control	Programmed TTL flash control	Mirror lock-up	Depth of field preview	Self-timer	Cable release terminal	Multiple exposure facility	Rewind	Camera back interchangeable	Motor drive	AF operating range	Min. lens speed for AF operation	Autofocus sensor	Focus priority	Focus tracking	AF-Tele. TC-14A; TC-14E; TC-201E usable	Weight (g)	Dimensions (HxWxD in mm)	
F	—	1/60	X; M	+	F Type	-	-	-	+	+	mechan.	Leica bell	-	crank	+	F-36	-	-	-	-	-	-	685	98.0 x 147.0 x 56.0	
F Photomic (D3)	↑	1/60	X; M	+	F Type	-	-	-	+	+	mechan.	Leica bell	-	crank	+	F-36	-	-	-	-	-	-	830	102.0 x 147.0 x 67.0	
F Photomic T (D4)	—	1/60	X; M	+	F Type	-	-	-	+	+	mechan.	Leica bell	-	crank	+	F-36	-	-	-	-	-	-	830	102.0 x 147.0 x 67.0	
F Photomic TN (D5)	—	1/60	X; M	+	F Type	-	-	-	+	+	mechan.	Leica bell	-	crank	+	F-36	-	-	-	-	-	-	830	102.0 x 147.0 x 67.0	
F Photomic FTN (D9)	—	1/60	X; M	+	F Type	-	-	-	+	+	mechan.	Leica bell	-	crank	+	F-36	-	-	-	-	-	-	860	102.0 x 147.0 x 66.0	
F2	—	1/80	X; M	+	F Type	+3j)	-	-	+	+	mechan.	Leica bell	-	crank 5j)	+	MD-1/2/3	-	-	-	-	-	-	730	98.0 x 152.0 x 65.0	
F2 Photomic (DP-1)	—	1/80	X; M	+	F Type	+3j)	-	-	+	+	mechan.	Leica bell	-	crank 5j)	+	MD-1/2/3	-	-	-	-	-	-	840	98.0 x 152.0 x 65.0	
F2 S Photomic (DP-2)	—	1/80	X; M	+	F Type	+3j)	-	-	+	+	mechan.	Leica bell	+	crank 5j)	+	MD-1/2/3	-	-	-	-	-	-	880	110.0 x 152.0 x 65.0	
F2 SB Photomic (DP-3)	—	1/80	X; M	+	F Type	+3j)	-	-	+	+	mechan.	Leica bell	-	crank 5j)	+	MD-1/2/3	-	-	-	-	-	-	850	102.0 x 152.0 x 66.0	
F2 A Photomic (DP-11)	—	1/80	X; M	+	F Type	+3j)	-	-	+	+	mechan.	Leica bell	-	crank 5j)	+	MD-1/2/3	-	-	-	-	-	-	820	102.0 x 152.0 x 65.0	
F2 AS Photomic (DP-12)	—	1/80	X; M	+	F Type	+3j)	-	-	+	+	mechan.	Leica bell	-	crank 5j)	+	MD-1/2/3	-	-	-	-	-	-	840	102.0 x 152.0 x 65.0	
F2 H	—	1/80	X; M	+	F Type	+3j)	-	-	-	2j) + 4j)	mechan.	Leica bell	-	crank 5j)	+	MD-100	-	-	-	-	-	-	700	98.0 x 152.0 x 56.0	
F3; F3 HP; F3T	—	1/80	X	+	F3 Type	+	25/15° 400/27°	-	+	+	electron.	ISO	+	crank 6j)	+	MD-4	-	-	-	-	-	-	700/745	96.5 x 101.0 x 69.0	
F3 P	—	1/80	X; M	+	F3 Type	+	25/15° 400/27°	-	+	+	electron.	ISO	-	crank 6j)	+	MD-4	-	-	-	-	-	-	745	105.0 x 148.0 x 69.0	
F3 AF	—	1/80	X; Bj)	+	F3 Type	+	25/15° 400/27°	-	+	+	electron.	ISO	+	crank	+	MD-4	4-20	1:3.5	2 SPD	-	+	-	7j)	950	115.0 x 148.0 x 90.0
F4/F4 S/F4 E	—	1/250	X; Bj)	+	ISO	+	25/15° 1000/31°	+	+	+	electron.	+	+	motor & manual	+	built-in	-1-18	1:5.6	200 CCD	+	+ 12j) + 13j)	+ 13j)	1090	117.0 x 168.5 x 76.6	
Nikkormat F5	—	1/125	X; M	+	-	-	-	-	+	+	mechan.	ISO	-	crank	-	-	-	-	-	-	-	-	740	95.0 x 146.0 x 54.0	
Nikkormat FT	—	1/125	X; M	+	-	-	-	-	+	+	mechan.	ISO	-	crank	-	-	-	-	-	-	-	-	745	95.0 x 146.0 x 54.0	
Nikkormat FTN	—	1/125	X; M	+	-	-	-	-	+	+	mechan.	ISO	-	crank	-	-	-	-	-	-	-	-	765	95.0 x 148.0 x 54.0	
Nikkormat FT2	—	1/125	X; M	+	ISO	-	-	-	+	+	mechan.	Leica bell ISO	-	crank	-	-	-	-	-	-	-	-	770	96.0 x 148.0 x 54.0	
Nikkormat FT3	—	1/125	X; M	+	-	-	-	-	+	+	mechan.	Leica bell ISO	-	Kurbel	-	-	-	-	-	-	-	-	750	96.0 x 148.0 x 54.0	
Nikkormat EL	—	1/125	X; M	+	ISO	-	-	-	+	+	mechan.	Leica bell ISO	-	Kurbel	-	-	-	-	-	-	-	-	780	93.0 x 145.0 x 54.0	
Nikkormat EEV	—	1/125	X; M	+	ISO	-	-	-	+	+	mechan.	Leica bell ISO	-	Kurbel	-	AW-1	-	-	-	-	-	-	790	93.0 x 145.0 x 54.0	

Model	Type of bayonet	Shutter blind travel direction	Shutter construction	Shutter speeds	Shutter control	Exposure control	Metering cell	Metering range	Metering patterns	ISO Film speed range	Exposure compensation	Auto exp. lock	change viewfinder	Viewfinder displays <sup>10</sup>	Exp. meter display	Focusing screen provided/optional	Viewfinder image coverage	Viewfinder illum.
Nikon EL-2	Ai	V	Metal	1/1000 - 8 sec.; B	electron.	A; M	2CdS/SPD/GAs	EV 1-18	60:40%	12/12°-3200/36°	+2/-1	+	-	T; meter	needle	K	92%	—
Nikon FM	Ai	V	Metal	1/1000 - 1 sec.; B	mechan.	M	2CdS/SPD/GAs	EV 1-18	60:40%	12/12°-6400/34°	—	-	-	T; F; meter	LED	K	43%	—
Nikon FM-2	Ai	V	Titan	1/4000 - 1 sec.; B; X 1/200	mechan.	M	2CdS/SPD/GAs	EV 1-18	60:40%	12/12°-400/27°	—	-	-	T; F; meter R	LED	K/B; E	43%	—
Nikon FM-2N	Ai	V	Titan	1/4000 - 1 sec.; B	mechan.	M	2CdS/SPD/GAs	EV 1-18	60:40%	12/12°-4000/37°	—	-	-	T; F; meter R	LED	K2/B2; E2	93%	—
Nikon FE	Ai	V	Metal	1/1000 - 8 sec.; B; M 1/90	electron.	A; M	2CdS/SPD/GAs	EV 1-18	60:40%	25/15°-1600/33	+/-2	-	-	T; F; meter R	needle	K/B; E	93%	—
Nikon FE-2	Ai	V	Titan	1/4000 - 8 sec.; B; M 1/250	quarz	A; M	2CdS/SPD/GAs	EV 1-18	60:40%	12/12°-400/27°	+/-2	+	-	T; F; meter; R; C	needle	K2/B2; E2	93%	—
Nikon FA	Ai-S	V	Titan	1/4000 - 1 sec.; B; M 1/250	quarz	P; S; A; M	2x3 SPD	EV 1-18	AMP 40:60%	12/12°-4000/37°	+/-2	-	-	T; meter; R	LED	K2/B2; E2	93%	—
Nikon EM	Ai	V	Metal	1/1000 - 1 sec.; B; M 1/90	electron.	A	SPD	EV 1-16.3/1-20	AMP 60/40%	25/15°-3200/36°	+2	-	-	T; meter; R	needle	K	92%	—
Nikon FG	Ai	V	Metal	1/1000 - 1 sec.; B; M 1/90	quarz	P; A; M	SPD	EV 1-18	40:60%	12/12°-3200/36° 25/15°-5000/38° DX	+/-2	-	-	T; meter; R	LCD	K	92%	—
Nikon FG-20	Ai	V	Metal	1/1000 - 1 sec.; B; M 1/90	electron.	A; M	SPD	EV 1-18	40:60%	12/12°-3200/36°	—	-	-	T; meter; R	needle	K	92%	—
Nikon F-301	Ai-S	V	Alumin.	1/2000 - 1 sec.; B	quarz	P; PH; A; M	SPD	EV 1-18	40:60%	25/15°-3200/36°	—	-	-	meter; R; AF;	LED	K	92%	—
Nikon F-401	AF	V	Alumin.	1/2000 - 1 sec.; B	quarz	P; S; A; M	3 seg SPD	EV 1-19	IMC; 60:40%	25/15°-5000/38° DX	+/-2	+	-	meter; R; AF;	LED	B	92%	—
Nikon F-401S	AF	V	Alumin.	1/2000 - 1 sec.; B	quarz	S; A; M	3 seg SPD	EV 1-19	IMC; 60:40%	25/15°-5000/38° DX	+/-5	+	-	T; meter; R; AF	LED	B	92%	—
Nikon 401 X	AF	V	Alumin.	1/2000-30 sec.; T	quarz	S; A; M	5 seg SPD	EV 1-19	Matrix 60:40%	25/15°-5000/38° DX	+/-5	+	-	T; meter R; AF	LED	B	92%	—
Nikon F-501	AF	V	Alumin.	1/2000 - 1 sec.; B	quarz	P; PH; A; M	SPD	EV 1-19	40:60%	12/12°-3200/36°; 25/15°-5000/38° DX	+/-5	+	-	T; F; meter; Li; R; C	LED	B/E; J	92%	—
Nikon F-601	AF	V	Alumin.	1/2000 - 30 sec.; B	quarz	P; M; PM; S; A	6 seg SPD	EV 0-19 4-19 9j	Matrix; 75:25% Spot	6/9°-6400/39°; 25/15°-5000/37° DX	+/-5	+	-	T; F; meter; Li; R; C	LCD	B	92%	+
Nikon F-601 M	Ai-S	V	Alumin.	1/2000 - 30 sec.; B	quarz	P; M; PM; S; A	5 seg SPD	EV 0-19	Matrix; 75:25%	6/9°-6400/39°; 25/15°-5000/37° DX	+/-5	+	-	T; F; meter; Li; R; C	LCD	K	92%	+
Nikon F-801	AF	V	Alumin.	1/8000 - 30 sec.; B	quarz	P; PH; S; A; M	5 seg SPD	EV 0-21	Matrix; 75:25%	6/9°-6400/39°; 25/15°-5000/37° DX	+/-5	+	-	T; meter	LCD	B/E; J	92%	+
Nikon 801 S	AF	V	Alumin.	1/8000 - 30 sec.; B	quarz	P; PH; S; A; M	6 seg SPD	EV 0-21 4-21 9j	Matrix 75:25% Spot	6/9°-6400/39°; 25/15°-5000/37° DX	+/-5	+	-	T; meter	LCD	B/E; J	92%	+
Nikon F90	AF	V	Alumin.	1/8000 - 30 sec.; B	quarz	P; PV; S; A; M	8 seg SPD	EV -1-21 3-21 9j	3D Matrix 75:25% Spot	6/9°-6400/39°; 25/15°-5000/37° DX	+/-5	+	-	T; meter FC	LCD	B/E	92%	+

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| <p>1 AF-operation only with F3AF-lenses<br/> 2 Fixed and partly transparent mirror<br/> 3 Only with F2 - dedicated flash units<br/> 4 Lens is permanently stopped down<br/> 5 Automatically with Motor-Drive MD-1 and MD-2<br/> 6 Automatically with Motor-Drive MD-4<br/> 7 Only TC-16 usable</p> | <p>8 Rear blind synch. possible<br/> 9 With spot-metering mode<br/> 10 T = shutter speed; F = aperture; meter = metering indication; C = exposure compensation; R = flash-ready signal; AF = Autofocus<br/> 11 Aluminium as of<br/> 12 Focus Tracking automatically activated</p> | <p>13 TC-14E/20E also usable for AF-operation with AF-I lenses<br/> 14 Also FP - high speed synch. up to 1/8000 sec.<br/> 15 With MF-25 or electronic organiser<br/> 16 Spot and wide-field AF-operation available<br/> 17 Weight F45 - 1280g; F4E - 1400g.<br/> 18 Dimensions F45 - 138 x 169 x 77mm;<br/> F4E - 157 x 169 x 77g.</p> |
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Model	Eye-piece shutter	Synch. speed	Synch. contacts	Synch. cord terminal	Accessory shoe	Flash-ready signal in viewfinder	ISO-range for TTL-flash control	Programmed TTL flash control	Mirror lock-up	Depth of field preview	Self-timer	Cable release terminal	Multiple exposure facility	Rewind	Camera back interchangeable	Motor drive	AF operating range	Min. lens speed for AF operation	Autofocus sensor	Focus priority	Focus tracking	AF-Tele. TC-16A; TC-14E; TC-201E usable	Weight (g)	Dimensions (HxWxD in mm)
Nikon EL-2	-	1/125	X	+	ISO	-	-	-	+	+	mechan.	Glocke/ISO	-	crank	-	AW-1	-	-	-	-	-	-	780	93.0 x 145.0 x 54.0
Nikon FM	-	1/125	X	+	ISO	-	-	-	+	+	mechan.	Glocke/ISO	+	crank	+	MD-11/12	-	-	-	-	-	-	590	90.0 x 142.0 x 60.0
Nikon FM-2	-	1/200	X	+	ISO	+	-	-	+	+	mechan.	ISO	+	crank	+	MD-11/12	-	-	-	-	-	-	540	90.0 x 142.0 x 60.0
Nikon FM-2N	-	1/250	X	+	ISO	+	-	-	+	+	mechan.	ISO	+	crank	+	MD-11/12	-	-	-	-	-	-	550	90.0 x 142.0 x 60.0
Nikon FE	-	1/125	X	+	ISO	+	-	-	+	+	mechan.	Glocke/ISO	+	crank	+	MD-11/12	-	-	-	-	-	-	590	90.0 x 142.0 x 57.0
Nikon FE-2	-	1/250	X	+	ISO	+	25/15°-400/27°	-	-	+	mechan.	ISO	+	crank	+	MD-11/12	-	-	-	-	-	-	550	90.0 x 142.0 x 57.0
Nikon FA	+	1/250	X	+	ISO	+	25/15°-400/27°	-	-	+	mechan.	ISO	+	crank	+	MD-11/12/15	-	-	-	-	-	-	625	92.0 x 142.0 x 64.0
Nikon EM	[DK-5]	1/90	X	[AS-15]	ISO	+	-	-	-	-	mechan.	ISO	-	crank	-	MD-E/MD-14	-	-	-	-	-	-	460	86.0 x 135.0 x 54.0
Nikon FG	[DK-5]	1/90	X	[AS-15]	ISO	+	25/15°-400/27°	-	-	-	mechan.	ISO	-	crank	+	MD-E/MD-14	-	-	-	-	-	-	490	87.0 x 136.0 x 54.0
Nikon FG-20	[DK-5]	1/90	X	[AS-15]	ISO	+	25/15°-400/27°	-	-	-	mechan.	ISO	-	crank	-	MD-E/MD-14	-	-	-	-	-	-	440	88.0 x 136.0 x 54.0
Nikon F-301	[DK-5]	1/125	X	[AS-15]	ISO	+	25/15°-1000/31°	+	-	-	electron.	AR-3/ISO	-	crank	+	built-in	-	-	-	-	-	-	570	97.0 x 148.0 x 51.0
Nikon F-401	[DK-5]	1/100	X	[AS-15]	ISO	+	25/15°-400/27°	+	-	-	electron.	-	-	motor	+	built-in	2-18	1:5.6	200 CCD	+	-	-	650	102.0 x 154.0 x 65.0
Nikon F-401S	[DK-5]	1/100	X	[AS-15]	ISO	+	25/15°-400/27°	+	-	-	electron.	-	-	motor	+	built-in	-1-17	1:5.6	200 CCD	+	-	-	655	102.0 x 154.0 x 65.5
Nikon 401 X	[DK-5]	1/125	X	[AS-15]	ISO	+	25/15°-800/30°	+	-	-	electron.	-	-	motor	+	built-in	-1-19	1:5.6	200 CCD	+	12}	-	647	102.0 x 154 x 65.0
Nikon F-501	[DK-5]	1/125	X	[AS-15]	ISO	+	25/15°-1000/31°	+	-	-	electron.	AR-3/ISO	-	crank	+	built-in	4-17	1:4.5	96 CCD	+	+	+	610	97.0 x 148.0 x 54.0
Nikon F-601	[DK-5]	1/125	X 8)	[AS-15]	ISO	+	25/15°-1000/31°	+	-	-	electron.	ISO	-	motor	-	built-in	-1-19	1:5.6	200 CCD	+	12}	+	650	100.0 x 155.0 x 66.0
Nikon F-601 M	[DK-5]	1/125	X	[AS-15]	ISO	+	25/15°-1000/31°	+	-	-	electron.	ISO	-	motor	-	built-in	-1-19	1:5.6	200 CCD	-	-	-	565	96.0 x 155.0 x 66.0
Nikon F-801	[DK-5]	1/250	X 8)	[AS-15]	ISO	+	25/15°-1000/31°	+	-	+	electron.	AR-3/ISO	+	motor	+	built-in	-1-19	1:5.6	200 CCD	+	+	+	695	102.0 x 153.0 x 67.0
Nikon 801 S	[DK-5]	1/250	X 8)	[AS-15]	ISO	+	25/15°-1000/31°	+	-	+	electron.	AR-3/ISO	+	motor	+	built-in	-1-19	1:5.6	200 CCD	+	12}	+	695	102.0 x 153.0 x 67.0
Nikon F90	+	1/250	X 8) 14)	+	ISO	+	25/15°-1000/31°	+	-	+	electron.	AR-3/MC-25/ISO	+	motor	+	built-in	-1-19	1:5.6	246 CCD 16)	+	12) 14)	+	755	106.0 x 154.0 x 69.0

- 1 AF-operation only with F3AF-lenses
- 2 Fixed and partly transparent mirror
- 3 Only with F2 - dedicated flash units
- 4 Lens is permanently stopped down
- 5 Automatically with Motor-Drive MD-1 and MD-2
- 6 Automatically with Motor-Drive MD-4
- 7 Only TC-16 usable

- 8 Rear blind synch. possible
- 9 With spot-metering mode
- 10 T = shutter speed; F = aperture; meter = metering indication; C = exposure compensation; R = flash-ready signal; AF = Autofocus
- 11 Aluminium as of
- 12 Focus Tracking automatically activated

- 13 TC-14E/20E also usable for AF-operation with AF-I lenses
- 14 Also FP - high speed synch. up to  $\infty$  sec.
- 15 With MF-25 or electronic organiser
- 16 Spot and wide-field AF-operation available
- 17 Weight F4S - 1280g; F4E - 1400g.
- 18 Dimensions F4S - 138x 169 x 77mm; F4E - 157 x 169 x 77g.

Camera/Speedlight Combinations																
Camera	SB-1		SB-2/7		SB-3/8		SB-4/9		SB-5		SB-6		SB-10		SB-11/14/140	
	Accessory	F	Accessory	F	Accessory	F	Accessory	F	Accessory	F	Accessory	F	Accessory	F	Accessory	F
F	SF-1	R	+	X	AS-1	X	AS-1	X	SC-9	X	SC-9	X	AS-1	X	SC-11	X
	SC-5/6/7	X							SC-5/6/7	X	SC-5/6/7	X				
F2	SC-4	R	+	R	AS-1	X	AS-1	X	SC-9	R	SC-9	R	AS-1	X	SC-11	X
	SC-5/6/7	X							SC-5/6/7	X	SC-5/6/7	X				
F3	SF-1	R	AS-3	X	AS-4	X	AS-4	X	SC-9	X	SC-9	X	AS-4	X	SC-12	TTL
	SC-5/6/7	X							AS-3	X	AS-4	X			SC-9 + AS-3	X
F3 P	SF-1	R	AS-3	X	+	X	+	X	SC-9	X	SC-9	X	+	R	SC-12	TTL
	SC-5/6/7	X							AS-2	X	SC-9 + AS-2/3	X			SC-9 + AS-2/3	X
F4	SF-1	R	AS-2	X	+	X	+	X	SC-9	X	SC-9	X	+	R	SC-23	TTL
	SC-5/6/7	X							AS-2	X	SC-9 + AS-2	X			SC-9 + AS-2/3	X
Nikkormat FS; FT; FTN	SF-1	R	SF-1	R	SF-1	R	SC-10	X	SC-5/6/7	X	SC-5/6/7	X	SC-10	X	SC-11	X
	SC-5/6/7	X	SC-5/6/7	X	SC-5/6/7	X	SC-8	X								
FT-2/3; EL/ELW/EL-2; FM	SF-1	R	AS-2	X	+	X	+	X	SC-9	X	SC-9	X	+	X	SC-11	X
	SC-5/6/7	X							SC-9 + AS-2	X	SC-9 + AS-2	X				
FE/FM-2	SF-1	R	AS-2	X	+	X	+	X	SC-9	X	SC-9	X	+	R	SC-13	R
	SC-5/6/7	X							SC-9 + AS-2	X	SC-9 + AS-2	X			SC-11	X
FE-2; FA	SF-1	R	AS-2	X	+	X	+	X	SC-9	X	SC-9	X	+	R	SC-23	TTL
	SC-5/6/7	X							SC-9 + AS-2	X	SC-9 + AS-2	X			SC-11	X
FG	SC-5/6 + AS-15	X	AS-2	X	+	X	+	X	SC-9	X	SC-9	X	+	R	SC-23	TTL
									SC-9 + AS-2	X	SC-9 + AS-2	X			SC-13	R
EM; FG-20	SC-5/6 + AS-15	X	AS-2	X	+	X	+	X	SC-9 + AS-2	X	SC-9 + AS-2	X	+	R	SC-13	R
F-301; F-501	SC-5/6 + AS-15	X	AS-2	X	+	X	+	X	SC-9	X	SC-9	X	+	R	SC-23	TTL
									SC-9 + AS-2	X	SC-9 + AS-2	X			SC-13	R
F-401; F-401 S/X	SC-5/6 + AS-15	X	AS-2	X	+	X	+	X	SC-9 + AS-2	X	SC-9 + AS-2	X	+	R	SC-13	R
F-601 (M); F-801/S F-90	SC-5/6 + AS-15	X	AS-2	X	+	X	+	X	SC-9	X	SC-9	X	+	R	SC-23	TTL
									SC-9 + AS-2	X	SC-9 + AS-2	X			SC-13	R

F = function possible with the accessories listed  
X = Speedlight is only triggered

Camera/Speedlight Combinations																
Camera	SB-12		SB-15/16B/21B		SB-16A/17/21A		SB-18/23		SB-E/19		SB-20/22/24/25		SR-2; SM-2; Medical 200/5.6		Medical 120/4	
	Accessory	F	Accessory	F	Accessory	F	Accessory	F	Accessory	F	Accessory	F	Accessory	F	Accessory	F
F	AS-5	X	AS-1	X	AS-5	X	AS-1	X	AS-1	X	AS-1	X	SF-1	R	SC-20	X
													SC-5/6/7	X		
F2	AS-5	X	AS-1	X	AS-5	X	AS-1	X	AS-1	X	AS-1	X	SF-1	R	SC-20	X
													SC-5/6/7	X		
F3	+	TTL	AS-4	R	+	TTL	AS-4	R	AS-4	R	AS-4	R	SF-1	R	SC-22 + AS-4	R
													SC-5/6/7	X		
F3 P	+	TTL	+	R	+	TTL	+	R	+	R	+	R	SF-1	R	SC-22	R
													SC-5/6/7	X		
F4	AS-6	R	+	TTL	AS-6	R	+	TTL	+	R	+	TTL	SF-1	R	SC-20	R
													SC-5/6/7	X		
Nikkormat FS; FT; FTN	SC-11	X	SC-11/15	X	SC-11	X	SC-10	X	SC-10	X	SC-10	X	SF-1	R	SC-20	X
													SC-5/6/7	X		
FT-2/3; EL/ELW/EL-2; FM	AS-6	R	+	X	AS-6	R	+	X	+	X	+	X	SF-1	R	SC-20	X
													SC-5/6/7	X		
FE/FM-2	AS-6	R	+	R	AS-6	R	+	R	+	R	+	R	SF-1	R	SC-22	R
													SC-5/6/7	X		
FE-2; FA	AS-6	R	+	TTL	AS-6	R	+	TTL	+	R	+	TTL	SF-1	R	SC-22	R
													SC-5/6/7	X		
FG	AS-6	R	+	TTL	AS-6	R	+	TTL	+	R	+	TTL	AS-15 + SC-5/6/7	X	SC-22	R
EM; FG-20	AS-6	R	+	R	AS-6	R	+	R	+	R	+	TTL	AS-15 + SC-5/6/7	X	SC-22	R
F-301; F-501	AS-6	R	+	TTL	AS-6	R	+	TTL	+	R	+	TTL	AS-15 + SC-5/6/7	X	SC-22	R
F-401; F-401 S/X	AS-6	R	+	TTL	AS-6	R	+	TTL	+	R	+	TTL	AS-15 + SC-5/6/7	X	SC-22	R
F-601 (M); F-801/S F-90	AS-6	R	+	TTL	AS-6	R	+	TTL	+	R	+	TTL	AS-15 + SC-5/6/7	X	SC-22	R

R = flash-ready light in the viewfinder and automatic switchover to the synch. speed (in the case of automatic cameras)  
TTL = TTL-type flash exposure control. (includes X and R)

**Battery requirements (continued)**

Unit	Number	Duracell	Ucar	Varta	Panasonic	Seiko	Maxell	Remarks
MF-21;- MF23; MF-24 MF-26	2	CR 2025	CR 2025	CR 2025				
MF-17	4	MN 1500	E 91	V 1500 PX				
MF-17	1					T2 726 SW	SR 726 SW	
ML-1 Sender	4	MN 1500	E 91	V 1500 PX				
ML-1 Receiver	1	MN 1604	522	4022				
ML-2 Set	4 each	MN 1500	E 91	V 1500 PX				
ML-3 Sender	2	MN 2400	E 92	V 2400 PX				
MT-1/2	4	MN 1500	E 91	V 1500 PX				
MW-1 Sender/ Receiver	je 8	MN 1500	E 91	V 1500 PX				
MW-2 Sender/ Receiver	je 4	MN 1500	E 91	V 1500 PX				
R8	6 + 2	MN 1500 + PX-625	E 91 + EPX- 625	V 1500 PX + V 625 PX				
R10	6	MN 1500	E 91	V 1500 PX				
SB-2/3	4	MN 1500	E 91	V 1500 PX				
SB-4	2	MN 1500	E 91	V 1500 PX				
SB-7/8	4	MN 1500	E 91	V 1500 PX				
SB-9	2	MN 1500	E 91	V 1500 PX				
SB-10	4	MN 1500	E 91	V 1500 PX				
SB-11	8	MN 1500	E 91	V 1500 PX				

Unit	Number	Duracell	Ucar	Varta	Panasonic	Seiko	Maxell	Remarks
SB-12/15/16/ 17/18/19/20/ 21/22/23/ 24/25	4	MN 1500	E 91	V 1500 PX				
SB-101	8	MN 1500	E 91	V 1500 PX				
SB-102	6	MN 1400	E 93	4014				
SB-103	4	MN 1500	E 91	V 1500 PX				
SB-E	4	MN 2400	E 92	V 2400 PX				
SD-2	6	MN 1300	E 95	4020				
SD-3	1						510 Volt	
SD-4	2						240 Volt	
SD-6	1						315 Volt	
	6	MN 1500	E 91	V 1500 PX				
SD-7	6	MN 1400	E 93	4014				
SD-8	6	MN 1500	E 91	V 1500 PX				

\*Rechargeable batteries cannot be used

**Camera/Motor-drive combinations**

Camera	Frames per second												
	F-36	F-250	MD-1	MD-2	MD-3	MD-4	MD-11	MD-12	MD-15	MD-100	AW-1	MD-14	MD-E
F	4	4	—	—	—	—	—	—	—	—	—	—	—
F2	—	—	4-5	4-5	2.5-4	—	—	—	—	—	—	—	—
F3	—	—	—	—	—	3.8-6	—	—	—	—	—	—	—
ELW/EL-2	—	—	—	—	—	—	—	—	—	—	0.5	—	—
FM/FE	—	—	—	—	—	—	3.5	3.5	—	—	—	—	—
FM-2/FE-2	—	—	—	—	—	—	3.5	3.5	—	—	—	—	—
FA	—	—	—	—	—	—	2.7	2.7	3.2	—	—	—	—
EM	—	—	—	—	—	—	—	—	—	—	—	3.2	2
FG-20	—	—	—	—	—	—	—	—	—	—	—	3.2	2
FG	—	—	—	—	—	—	—	—	—	—	—	3.2	1.5
F2 H	—	—	4-5	4-5	2.5-4	—	—	—	—	10	—	—	—

## Nikon Camera Data- and Multifunction-backs

Model	Usable with	Type of display	ISO-range	Displayed data	Alarm clock	Internal timer	Battery capacity	Dimensions (mm)	Weight (g)	Special features
<b>MF-10</b>	F2	ANA	32-1600	YY/MM/DD; H/M/S; HS	-	-	3000 frames	176x60x69	400	Special data-back for the F-2 Data
<b>MF-11</b>	F2 + MF-1	ANA	32-1600	YY/MM/DD; H/M/S; HS	-	-	3000 frames	302x	650	Data-back unit for MF-1
<b>MF-12</b>	FM; FE	LED	25-400	YY/MM/DD H/M; Nr.	-	-	ca. 2 years	118x46x7	75	external battery pack DB-3 available
<b>MF-14</b>	F3	LED	25-400	YY/MM/DD; H/M; Nr.	+	-	ca. 1 year	148x53.5x26	85	
<b>MF-15</b>	FG	LED	25-400	YY/MM/DD; H/M; Nr.	+	-	ca. 1 year	136x53.5x26	85	
<b>MF-16</b>	FM-2 FE-2; FA	LED	25-400	YY/MM/DD; H/M; Nr.	+	-	ca. 1 year	142x53x26	90	
<b>MF-17</b>	F3 + MD-4	ANA	32-1600	YY/MM/DD; H/M/2; HS	-	-	3000 frames	299x69x78	650	Data-back unit for MF-4
<b>MF-18</b>	F3 + MD-4	LED	25-400	YY/MM/DD; H/M; Nr.	-	-	ca. 1 year	148x69x30	100	Data is imprinted between the frames
<b>MF-19</b>	F-301; F-501	LED	25-1600	YY/MM/DD; H/M; Nr.	+	+	ca. 1 year	147x53x24	90	
<b>MF-20</b>	F-801	LED	32-1000	YY/MM/DD; DD/H/M	-	-	ca. 1 year	140x61x26	70	
<b>MF-21</b>	F-801	LED	25-3200	YY/MM/DD; DD/H/M; Nr.; Shutter/aper.	-	+	ca. 1 year	140x61x29	90	Further functions: automatic exposure bracketing; long exposures; freeze focus
<b>MF-22</b>	F4; F4 S	LED	32-3200	YY/MM/DD; DD/H/M	-	-	ca. 1 year	160x56x22	100	Data can be imprinted between the frames and/or into the picture; shutter speed/aperture or compensation factor can be imprinted
<b>MF-23</b>	F4; F4 S	LED	25-3200	YY/MM/DD; DD/H/M; Nr.; Shutter/aper. comp. factor	+	+	ca. 1 year	160x56x30	120	Data can be imprinted between the frames and/or into the picture; exposure delay; automatic exposure bracketing; film stop; long exposure; freeze focus; alarm function
<b>MF-24</b>	F4; F4 S	LED	25-3200	YY/MM/DD; DD/H/M; Nr.; Shutter/aper.; comp. factor	+	+	ca. 1 year	330x98x91	1400	Same as MF-23
<b>MF-25</b>	F-90(D)	LCD	25-3200	YY/MM/DD; DD/H/M; (world time) Nr; Shutter/aper.	+	-	ca. 1 year	140x61x29	80	
<b>MF-26</b>	F-90(S)	LCD	25-3200	YY/MM/DD; DD/H/M; Nr; Shutter/aper. comp. factor Flash exp. comp.; Flash bktg.	-	+	ca. 1 year	140x63x29	90	