

Finder Accessories/Data Backs



Nikon F3



Nikon F3HP



Nikon F3/T



Nikon F3AF



DE-2
Eyelevel Finder



DX-1
Autofocus Finder



DE-3
High-eyepoint Finder



DW-3
Waist-level Finder



DW-4
6X High magnification
Finder



DA-2
Action Finder



Focusing Screens



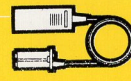
Replacement Eyepiece
(standard size)



Eyepiece Correction
Lenses
(standard size)



DK-4
Rubber Eyecup



DB-4
Anti-cold Battery Holder



DK-1
Eyepiece Adapter
(for Nikon F3HP,
F3/T)



Eyepiece Correction
Lenses
(Large size)



Replacement
Eyepiece
(Large size)



DK-2
Rubber Eyecup



DG-2
Eyepiece Magnifier



DR-3
Right-angle Viewing
Attachment



Focusing Screens



Eyepiece Correction
Lenses



Replacement Eyepiece



DK-3
Rubber Eyecup



Nikon FA



Nikon FE2



Nikon FM2



Eyepiece Adapter



Eyepiece Correction
Lenses



Rubber Eyecup



DK-5
Eyepiece Shield



Nikon N2020



Nikon N2000



Nikon FG-20



Focusing Screens



Nikon N4004

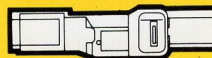
Data Backs



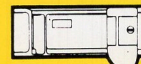
MF-14
Data Back (for
F3-Series)



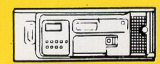
MF-16
Data Back (for FA, FE2,
FM2)



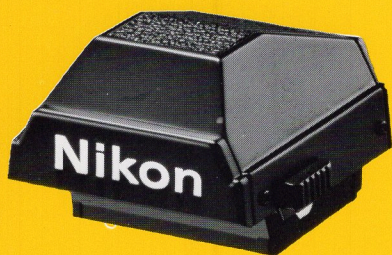
MF-17
Data Back (for F3 with
MF-4 250-ex Magazine
Back)



MF-18
Data Back (for
F3-Series with MD-4
Motor Drive)



Inter-frame MF-19
Multi Data Back (for
N2000, N2020)



Product number:

Application:

Dimensions:

Weight:

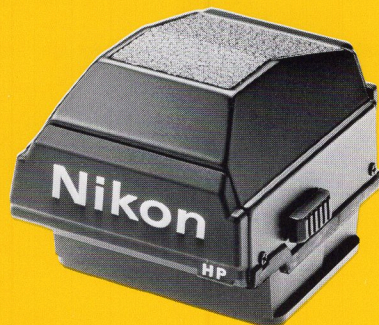
Eyelevel Finder DE-2

2382

Provides erect image, with eye-level viewing comfort; usable with all Nikon F3-Series cameras

39mm(H) x 59mm(W) x 66mm(D)

120g



Product number:

Application:

Special characteristics:

Dimensions:

Weight:

High-Eyepoint Finder DE-3

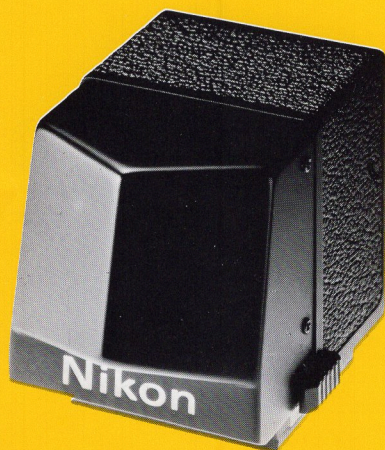
2386

Provide erect image with eye-level viewing comfort; usable with all Nikon F3-series cameras; supplied with Nikon F3HP camera

The entire frame is visible with the eye up to 2.5cm (1 inch) away from the eyepiece

52.5mm(H) x 43.5mm(W) x 69mm(D)

165g



Product number:

Application:

Special characteristics:

Dimensions:

Weight:

Action Finder DA-2

2385

Provides extra-long eye relief to permit the photographer to use the camera in a housing, etc.; usable with all Nikon F3-series cameras

The entire frame is visible with the eye up to 8cm (3.3 inches) away from the eyepiece

59.5mm(H) x 52.9mm(W) x 73.2mm(D)

300g



Product number:

Application:

Special characteristics:

Dimensions:

Weight:

6x High-Magnification Finder

2384

Provides high magnification for critical focusing of photomicrography, etc.; usable with all Nikon F3-series cameras

This finder is suitable for obtaining very fine focusing; the DW-4 is fitted with a -5 to +3 diopter adjustment and a rubber eyecup equipped with eyepiece cover for accurate auto-exposure operation

54.2mm(H) x 26.5mm(W) x 59.6mm(D)

220g



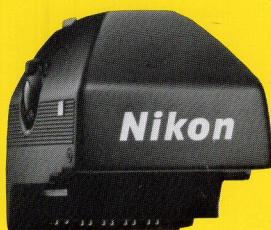
Product number:

DP-20 Multi-Meter Finder for Nikon F4 (repl.)

2500

Application:

Standard meter with the Nikon F4 camera, providing Nikon's exclusive Matrix metering plus traditional 60/40 center-weighted metering; design incorporates a high-eyepoint optical system featuring approx. 22mm eye relief for comfortable viewing even while wearing eyeglasses or goggles; equipped with dial for viewing system adjustment over the range of from -3 to +1 diopter; 3-position dial provides for selection of each of the three meter functions available (i.e., "Spot", "C/W" and "Matrix"); focusing screen compensation adjustment and eyepiece shutter also provided; top-mount hot shoe accepts all Nikon Speedlights equipped with standard ISO-type mounting foot; hot shoe equipped with supplemental contacts for TTL automatic flash exposure control with Nikon-dedicated Speedlights



Product number:

DA-20 AE Action Finder for Nikon F4

2503

Application:

Provides extra-long eye relief to permit the photographer to use the camera in a housing, etc.; fitted with circuitry to provide 60/40 center-weighted exposure measurement; selector dial enables switchover from "Center-weighted" to "Spot" metering as required; usable with all F4-series cameras; fitted with ISO-type flash hot-shoe for TTL automatic flash operation with Nikon-dedicated Speedlights



Product number:

DW-20 Waist-Level Finder for Nikon F4

2501

Application:

Equipped with pop-up type viewing hood for use when shooting from a low position, or when the camera is mounted vertically on a copy stand, etc.; fitted with flip-up magnifier for precise focusing and viewing; operates with camera's built-in spot meter



DW-21 High-Magnification Finder for Nikon F4

Product number:

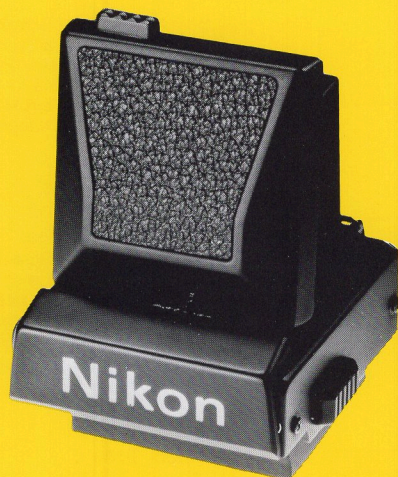
2502

Application:

Provides high magnification for critical focusing necessary for such special shooting requirements as photomicrography, etc; usable with all F4-series cameras

Special characteristics:

Suitable for very fine focusing; fitted with an adjustable (and lockable) eyepiece having a range of from +3 to -5 diopters; the rubber eyecup enhances viewer comfort; the eyepiece cover prevents entry of stray light that might otherwise affect meter readings; exposure measurement via the camera's built-in spot meter; excellent for parallax focusing with Type M focusing screen



Product number:

2383

Application:

Provides compact finder with pop-up design for waist-level or low-angle shooting; viewed image is laterally reversed; usable on all Nikon F3-series cameras

Special characteristics:

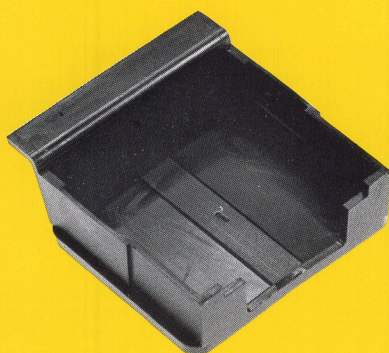
Built-in, flip-up magnifier provides 5x magnification for accurate focusing

Dimensions:

73mm(H) x 54.2mm(W) x 59mm(D)

Weight:

90g



Product number:

2389

Application:

Provides protection for finders and finder prisms



Product number:

2381

Application:

Provided with Nikon F3AF; can be used as a focusing aid also in conjunction with a standard Nikon F3 and with about 40 Nikkor and Nikon Series E lenses with a maximum aperture of f/3.5 and brighter

Focusing screen:

Fixed, built-in Fresnel/matte screen and focusing field

Viewfinder field:

Approximately 92%

Power source:

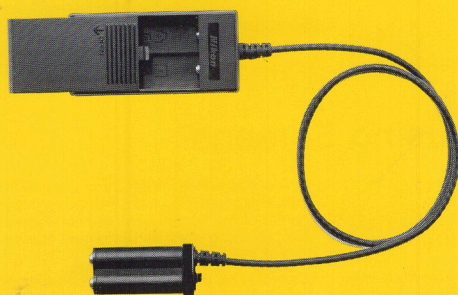
Two 1.5v, type-AAA (penlight) alkaline batteries

Dimensions:

55.5mm(W) x 62.5mm(H) x 90mm(D)

Weight:

365g (with batteries)



Product Number:

2032

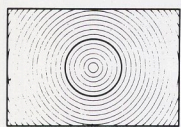
Application:

For use with Autofocus Finder DX-1 on Nikon F3AF to provide protection against the ill effects of cold temperature on the batteries powering the autofocus system



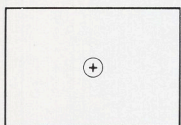
Product number: 2552

Description: Focusing Screen A
Focusing screen with matte Fresnel field; 12mm center reference circle and split-image rangefinder



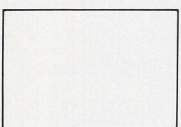
Product number: 2553

Description: Focusing Screen B
Focusing screen with matte Fresnel field and 12mm center reference circle; for macro photography and use with telephoto lenses



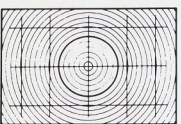
Product number: 2554

Description: Focusing Screen C
Fine matte focusing screen with clear center circle, crosshairs in 4mm center circle; for high magnifications



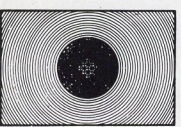
Product number: 2555

Description: Focusing Screen D
Fine matte focusing screen, particularly suitable for long telephoto lenses and for close-up photography



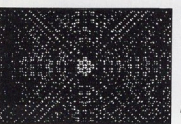
Product number: 2556

Description: Focusing Screen E
Focusing screen with matte Fresnel field, 12mm center reference circle with vertical and horizontal grid lines; excellent for architectural photography in conjunction with the PC-Nikkor lens



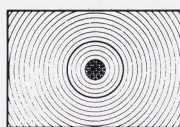
Product number: 2557 (G1)
2558 (G2)
2559 (G3)
2560 (G4)

Description: Focusing Screens G1, 2, 3 and 4
Clear Fresnel focusing screens with 12mm microprism collar; excellent for focusing under poor lighting conditions; available in 4 models for various lens maximum apertures



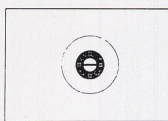
Product number: 2561 (H1)
2562 (H2)
2563 (H3)
2564 (H4)

Description: Focusing Screens H1, 2, 3 and 4
Clear Fresnel focusing screen with microprisms over the entire field; recommended for photography in poor lighting conditions; available in 4 models for various lens maximum apertures



Product number: 2565

Description: Focusing Screen J
Focusing screen with matte Fresnel field, 4mm microprisms in 12mm center reference circle; excellent for general photography



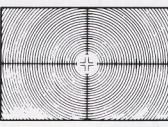
Product number: 2551

Description: Focusing Screen K
Combination of types A and J; excellent for general photography; provided as standard with Nikon F3HP



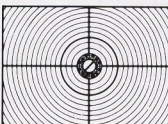
Product number: 2566

Description: Focusing Screen L
Corresponds to type A, but with diagonal (45°) split-image rangefinder; facilitates focusing on horizontal lines



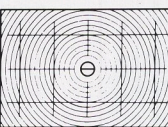
Product number: 2567

Description: Focusing Screen M
Clear glass with double crosshairs and millimetre scales; excellent for photomicrography with 6x High Magnification Finder DW-4



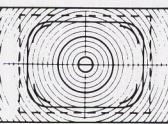
Product number: 2568

Description: Focusing Screen P
Focusing screen with matte Fresnel field, diagonal split-image, microprisms and 12mm center reference circle; also provided with vertical and horizontal central lines



Product number: 2569

Description: Focusing Screen R
Focusing screen with matte Fresnel field and split-image rangefinder which does not darken when slow lenses are used; with vertical and horizontal grid lines; excellent for architectural photography



Product number: 2570

Description: Focusing Screen T
Focusing screen with matte Fresnel field and TV screen frame lines



Product number: 2571

Description: Focusing Screen U
Similar to Focusing Screen B, but specially designed for lenses of 100mm or longer

Combination Table for Lenses & Focusing Screens

○	Excellent:	Fully compatible
⊙	Possible:	The image is bright over the entire focusing screen but the microprism center or center of the crosshairs is dark.
○	Possible:	Slight vignetting is visible on the focusing screen; however, this has no effect on the image quality.



Possible:



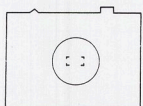
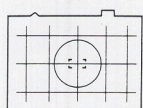
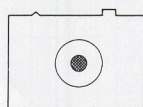
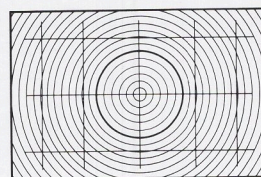
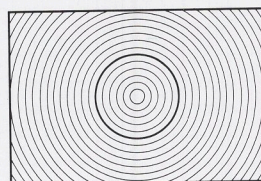
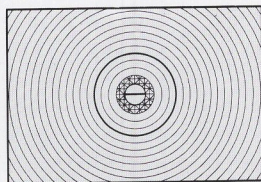
Full-aperture metering:

For lenses with an aperture of 2.8 and larger; this focusing screen is inaccurate since the focus in the center of the screen does not correspond to that on the film; focusing must be performed outside the 12mm center reference circle

Can only be used with the aperture stopped-down



Lens Type	Focal Length	A/L/T	K/P	B/E	U	J	R	C	D	G1	G2	G3	G4	H1	H2	H3	H4
Fisheye	6 mm f/2.8	○	○	○		○	△	⊙	○	○	○			○	○		
	8 mm f/2.8	○	○	○		○	△	⊙	○	○	○			○	○	○	
	16 mm f/2.8	○	○	○		○	△			○				○			
Wide Angle	13 mm f/5.6	⊙	⊙	○		○	○				○				○		
	15 mm f/3.5	○	○	○		○	○				○				○		
	18 mm f/3.5	○	○	○		○	○								○		
	20 mm f/2.8	○	○	○		○	○							○			
	24 mm f/2	○	○	○		○	△				○			○	○		
	24 mm f/2.8	○	○	○		○	△				○			○	○		
	28 mm f/2	○	○	○		○	△			○	○			○	○		
	28 mm f/2.8	○	○	○		○	△			○				○			
	28 mm f/3.5	○	○	○		○	○			○	○			○	○		
	35 mm f/1.4	○	○	○	○	○	△				○			○	○		
	35 mm f/2	○	○	○		○	△			○	○			○	○		
	35 mm f/2.8	○	○	○		○	△				○			○	○		
Normal	50 mm f/1.2	○	○	○	○	○	△				○				○		
	50 mm f/1.4	○	○	○	○	○	△				○				○		
	50 mm f/1.8	○	○	○		○	△			○	○			○	○		
Telephoto	85 mm f/1.4	○	○	○	○	○	△			○	○			○	○		
	85 mm f/2	○	○	○	○	○	△				○			○	○		
	105 mm f/1.8	○	○	○	○	○	△				○			○	○		
	105 mm f/2.5	○	○	○	○	○	△				○			○	○		
	135 mm f/2	○	○	○	○	○	△	○	○		○				○		
	135 mm f/2.8	○	○	○	○	○	△	○	○		○				○		
	135 mm f/3.5	○	○	○	○	○	○				○				○		
	180 mm f/2.8 ED	○	○	○	○	○	△	○	○		○				○		
	200 mm f/2 IF-ED	○	○	○	○	○	△	○	○		○				○		
	200 mm f/4	○	○	○	○	○	○	○	○		○				○		
	*300 mm f/2.0 IF-ED	○	○	○	○	○	△	○	○			○	○				○
	300 mm f/2.8 IF-ED	○	○	○	○	○	△	○	○		○		○		○	○	○
	300 mm f/4.5	○	○	○	○	○	○	○	○						○	○	○
	300 mm f/4.5 IF-ED	○	○	○	○	○	○	○	○						○	○	○
	400 mm f/3.5 IF-ED	○	○	○	○	○	○	○	○				○			○	○
	400 mm f/5.6 IF-ED	○	○	○	○	○	○	○	○				○			○	○
	600 mm f/4 IF-ED	○	○	○	○	○	○	○	○				○			○	○
	600 mm f/5.6 IF-ED	○	○	○	○	○	○	○	○				○				○
	800 mm f/8 IF-ED	○	○	○	○	○	○	○	○				○				○
	1200 mm f/11 IF-ED	○	○	○	○	○	○	○	○				○				○
Zoom	25–50 mm f/4	○	○	○		○	○								○		
	28–50 mm	○	○	○		○	○										
	35–70 mm f/3.3–4.5	○	○	○		○	○										
	35–70 mm f/3.5	○	○	○		○	○				○				○		
	35–105 mm f/3.5–4.5	○	○	○	○	○	○										
	35–135 mm f/3.5–4.5	○	○	○	○	○	○										
	50–135 mm f/3.5	○	○	○	○	○	○					○			○	○	
	50–300 mm f/4.5 ED	○	○	○	○	○	○					○			○	○	
	80–200 mm f/2.8 ED	○	○	○	○	○	△				○	○	○		○	○	○
	80–200 mm f/4	○	○	○	○	○	○					○				○	○
	100–300 mm f/5.6	○	○	○	○	○	○						○				○
	180–600 mm f/8 ED	○	○	○	○	○	○	○	○				○			○	○
	360–1200 mm f/11 ED	○	○	○	○	○	○	○	○				○				○
AF	80 mm f/2.8 AF	○	○	○	○	○	△				○	○			○	○	
	200 mm f/3.5 AF-ED	○	○	○	○	○	○	○	○			○	○		○	○	○
PC	28 mm f/3.5	○	○	○		○	○										
	35 mm f/2.8	○	○	○		○	○										
Noct.	50 mm f/1.2	○	○	○	○	○	△				○			○	○		
Micro	55 mm f/2.8	○	○	○		○	△			○	○			○	○		
	105 mm f/2.8	○	○	○	○	○	○				○			○	○		
Medical	200 mm f/4 IF	○	○	○	○	○	○	○	○				○			○	○
	120 mm f/4 IF	○	○	○	○	○	○	○	○				○				
Reflex	500 mm f/8	○	○	○	○	○	○	○	○								
	1000 mm f/11	○	○	○	○	○	○	○	○							○	○
	2000 mm f/11	○	○	○	○	○	○	○	○				○	○			○
Series E	28 mm f/2.8	○	○	○		○	△			○				○			
	35 mm f/2.5	○	○	○		○	△			○	○			○	○		
	50 mm f/1.8	○	○	○		○	△			○	○			○	○		
	100 mm f/2.8	○	○	○	○	○	△				○			○	○		
	135 mm f/2.8	○	○	○	○	○	△	○	○		○				○		
	75–150 mm f/3.5	○	○	○	○	○	○				○				○		
	70–210 mm f/4	○	○	○	○	○	○								○		



Product number:

Description:

Product number:

Description:

Product number:

Description:

Product number:

Description:

Product number:

Description:

Product number:

Description:

Focusing Screens for Nikon FA, FE2, FM2 Cameras

2420

Focusing Screen K2

Focusing screen with matte Fresnel field with split-image rangefinder and microprism collar; 12mm center reference circle; for general photography; provided as standard with camera

2421

Focusing Screen B2

Focusing screen with matte Fresnel field with 12mm center reference circle; excellent for macro photography and use with telephoto lenses

2422

Focusing Screen E2

Focusing screen with matte Fresnel field, 12mm center reference circle, with vertical and horizontal grid lines; excellent for architectural photography in conjunction with the PC-Nikkor lens

Note: The focusing screens for FE2/FM2 (focusing screens K2, B2/E2) are brighter than those for FE and earlier FM2 (flash synchronization X200); for this reason, a correction for proper exposure metering should be made in the following cases: If the focusing screens for FE/FM2 (flash synchronization X200) are used in an FE2 the exposure must be corrected by -1/3 aperture. If the focusing screens for FE2 are used in an FE/FM2 (flash synchronization X200), the exposure must be corrected by +1/2 aperture in the case of FE and by +1/3 aperture in the case of the FM2

Focusing Screens for Nikon N2020 Cameras

2423

Focusing screen with matte Fresnel field and 12mm center reference circle and focusing zone; for general photography; provided as standard with the camera

2424

Focusing Screen E

Focusing screen with matte Fresnel field, 12mm center reference circle; vertical and horizontal grid lines and focusing zone; excellent for architectural photography and reproduction

2425

Focusing Screen J

Focusing screen with matte Fresnel field, 4mm microprisms in 12mm center reference circle, excellent for general photography

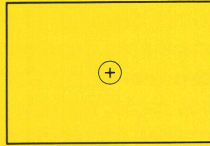


Focusing Screens for Nikon F4

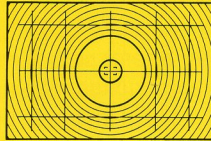


Type B

Type C

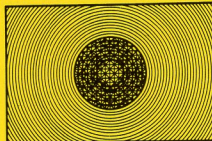


Type E



Type F

Type G



Product number:

2510

Description:

Type B BriteView Focusing Screen (repl.): Focusing screen with advanced BriteView matte/Fresnel field; equipped with central reference marks denoting AF field (brackets), Spot meter area (5mm circle) and Center-weighted meter area (12mm circle); texture of matte field suited for general photography

Product number:

2511

Description:

Type C BriteView Focusing Screen: Focusing screen with advanced BriteView matte field; equipped with central cross-hair and 5mm clear spot for parallax focusing of aerial image with DW-21 High-Magnification Finder; outer diameter of clear spot denotes area of Spot metering with camera meter

Product number:

2512

Description:

Type E BriteView Focusing Screen: Focusing screen with advanced BriteView matte/Fresnel field; equipped with central reference marks denoting AF field (brackets), Spot meter area (5mm circle) and Center-weighted meter area (12mm circle); also provided with horizontal/vertical grid for reference alignment when shooting; texture of matte field suited for general photography; grid ideal for architectural work, as well as when shooting with camera on copy stand

Product number:

2513

Description:

Type F BriteView Focusing Screen: Focusing screen with advanced BriteView matte/Fresnel field; equipped with central reference marks denoting AF field (brackets), Spot meter area (5mm circle) and Center-weighted meter area (12mm circle); texture of matte field also suited for use with Reflex lenses

Product numbers:

2514 (Type G1)

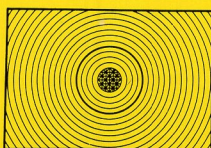
2515 (Type G2)

2516 (Type G3)

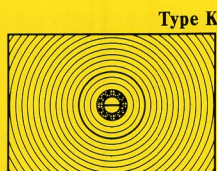
2517 (Type G4)

Description:

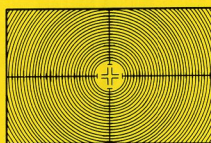
Type G1/G2/G3/G4 Focusing Screens: Focusing screens with overall clear/Fresnel field and central 12mm-diameter microprism focusing area; equipped with Spot meter (5mm) and Center-weighted meter (12mm) reference circles; four models for use with lenses of various focal lengths; Type G screens provide bright viewing but do not allow visualization of subject depth-of-field



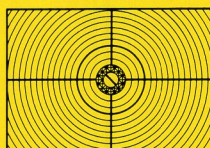
Type J



Type K



Type M



Type P



Type U

Product number:

2518

Description:

Type J BriteView Focusing Screen:
Focusing screen with advanced BriteView matte/Fresnel field and clear central 5mm-diameter microprism focusing area; equipped with Center-weighted meter (12mm) reference circle; outer diameter of microprism circle denotes area of Spot metering with camera meter; overall performance good for general photography

Product number:

2519

Description:

Type K BriteView Focusing Screen:
Focusing screen with advanced BriteView matte/Fresnel field and clear split-image rangefinder with surrounding clear microprism collar; 5mm diameter of central rangefinder/microprism area denotes Spot meter field; also fitted with 12mm Center-weighted meter reference circle; suitable for general photography; provides for rapid and accurate manual focusing with subjects having both straight lines and ill-defined contours

Product number:

2520

Description:

Type M Focusing Screen:
Focusing screen with fine-ground Fresnel field with 5mm-diameter clear spot and focusing reticle for parallax focusing of aerial image; millimeter reference scales facilitate calculation of reproduction ratio and/or magnification factors; brilliant image in dim light; suited for photomicrography, astrophotography and other high-magnification applications

Product number:

2521

Description:

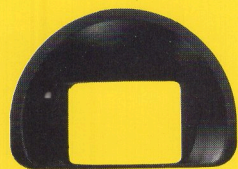
Type P BriteView Focusing Screen:
Focusing screen with advanced BriteView matte/Fresnel field and clear split-image rangefinder with surrounding clear microprism collar; identical to Type K screen except that rangefinder is positioned at 45° angle and composition reference lines are provided on vertical and horizontal axes

Product number:

2522

Description:

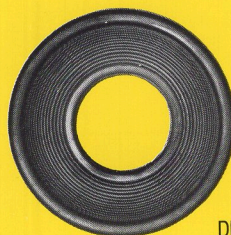
Type U BriteView Focusing Screen:
Focusing screen with advanced BriteView matte/Fresnel field; identical to Type B screen except that texture of matte field is specified for bright operation with lenses of 200mm focal length and longer



Eyecup



DK-4



DK-2



DR-3

DG-2



Adaptor



DK-1

Rubber Eyecup for Nikon N2000, N2020

Product number:

2939

Rubber Eyecup DK-3 for Nikon FA, FE2, FM2

Product number:

2362

Rubber Eyecup DK-4 for Nikon F3, F3/T

Product number:

2379

Rubber Eyecup DK-2 for Nikon F3HP, F3IT

Product number:

2406

Eyepiece Magnifier DG-2

Product number:

2355

Description:

2x magnification of the central portion of the finder image; diopter adjustment of from -5 to +1 provided; rubber eyecup built-in

Special characteristics:

The magnifier is provided with a hinge so that it can be flipped upwards to expose the entire finder image to allow accurate composition of the picture. Eyepiece Adapter DK-1 for mounting to Nikon F3HP and F3/T cameras; requires mounting adapter for Nikon N2000 and N2020

Right-angle Viewing Attachment DR-3

Product number:

2326

Description:

Provides 100% of the camera viewfinder image, viewed at 90° to eyepiece to facilitate low-level viewing, or operation of camera via copy stand; equipped with diopter adjustments of from -5 to +3; fitted with rubber eyecup

Special characteristics:

Fitted with roof prism to maintain image erect and lateral correct; requires Eyepiece Adapter DK-1 for mounting to Nikon F3HP and F3/T cameras; requires mounting adapter for Nikon N2000 and N2020

Weight:

100g

Eyepiece Adapter for Nikon N2000, N2020

Product number:

2370

Application:

For attaching all eyepiece accessories (e.g., Eyepiece Magnifier DG-2) to Nikon N2000 and N2020 cameras

Eyepiece Adapter DK-1 for Nikon F3HP, F3/T

Product number:

2388

Application:

For attaching all standard-sized eyepiece accessories (e.g., Eyepiece Magnifier DG-2) to the larger sized thread mounts of the finder eyepieces of the Nikon F3HP and F3/T cameras



Nikon F3, F3AF

Product number:	Correction
2918	— 5 diopter
2917	— 4 diopter
2916	— 3 diopter
2915	— 2 diopter
2914	0 diopter
2922	+ 0.5 diopter
2919	+ 1 diopter
2920	+ 2 diopter
2921	+ 3 diopter
2923	Replacement Eyepiece

Nikon F3HP, F3/T

Product number:	Correction
2953	— 2 diopter
2950	0 diopter
2951	+ 1 diopter
2952	+ 2 diopter
	Replacement Eyepiece



Nikon FA, FE2, FM2

Product number:	Correction
2938	— 5 diopter
2937	— 4 diopter
2936	— 3 diopter
2935	— 2 diopter
2930	0 diopter
2931	+ 0.5 diopter
2932	+ 1 diopter
2933	+ 2 diopter
2934	+ 3 diopter
2925	Replacement Eyepiece

Nikon N2000, N2020

Product number:	Correction
2948	— 5 diopter
2947	— 4 diopter
2946	— 3 diopter
2945	— 2 diopter
2940	0 diopter
2941	+ 0.5 diopter
2942	+ 1 diopter
2943	+ 2 diopter
2944	+ 3 diopter





Product number:

Description:

Possible data:

Data imprinting:

Data display:

Audible warning:

Power source:

Dimensions:

Weight:

Optional accessories:

Data Back MF-14

4411

Data Back MF-14

Three options only one of which is selectable at time: Year/month/day/hour/minute or reference numbers to 2000

Via six red LEDs

Via LCD at rear of unit

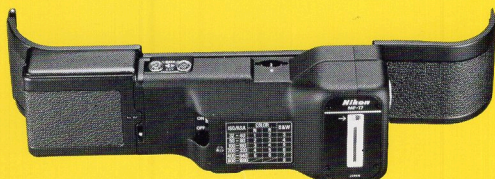
Provided; sounds for 20 sec. at the time set

Two 1.5v silver-oxide button-cell type batteries

148.5mm(W) x 53.5mm(H) x 26mm(D)

85g (without batteries)

Case Base Portion CF-23D



Product number:

Application:

Possible data:

Power source:

Number of flashes:

Dimensions:

Weight:

250-Exposure Data Back Set MF-17

140 (Includes P/N 134 and 4419)

Provides for superimposing data on film with up to 250 sequential shots via operation with Magazine Back MF-4 (included) and optional Motor Drive MD-4; Operates with all Nikon F3-Series Cameras

Three possible, simultaneously:

Year/month/day/hour/minute/second and hand-written data display

Four 1.5v AA-type penlight alkaline batteries

Flash recycling time: 1 per second, 6 per second. Alkaline batteries: About 3000 flashes, About 500 flashes

299mm(W) x 69mm(H) x 78mm(D)

690g (MF-17 only)



Product number:

Application:

Possible data:

Data imprinting:

Data display:

Power source:

Dimensions:

Weight:

Data Back MF-18

4568

Provides for data imprinting between frames for all Nikon F3-Series cameras; enables auto film stop operation with optional Motor Drive MD-4

Three options only one of which is selectable at time: Year/month/day/hours/minutes/seconds or reference numbers to 2000

Via six red LEDs

Via LCD at rear of unit

Two 1.5v silver-oxide button-cell type batteries

148.5mm(W) x 68.5mm(H) x 30.2mm(D)

100g (without batteries)



Data Back MF-16 for FA, FE2, FM2 Cameras

Product number:

4526

Possible data:

Three options only one of which is selectable at time: Year/month/day/hour/minute or reference numbers to 2000

Data imprinting:

Via six red LEDs

Data display:

Via LCD at rear of unit

Audible warning:

Provided; sounds for 20 sec. at the time set

Power source:

Two 1.5v silver-oxide button-cell type batteries

Dimensions:

142.7mm(W) x 53.2mm(H) x 26.5mm(D)

Weight:

90g (without batteries)

Optional accessories:

Case Base Portion CF-27D



Multi Data Back MF-19 for Nikon N2000/N2020

Product number:

4569

Possible data:

Five possible, only one of which is selectable at time: year/month/day/hour/minute or reference numbers to 999999

Interval function:

Makes it possible to set time intervals between successive shots and the number of shots per interval; maximum time interval equals 99:59:59; maximum of 99 shots per interval; maximum of 99 intervals

Timeswitch function:

Maximum 99 shots daily at the time set, for up to 99 days, or monthly on a fixed day for up to 99 months

Alarm function:

Provided; can be set to operate daily, if desired

Data imprinting:

Via six red LEDs (seven-segment type)

Data display on back:

Via LCD panel

Power source:

Two 1.5v silver-oxide button-cell type batteries

Dimensions:

147.4mm(W) x 53.2mm(H) x 24.5mm(D)
(5.7" x 2.1" x 1.0")

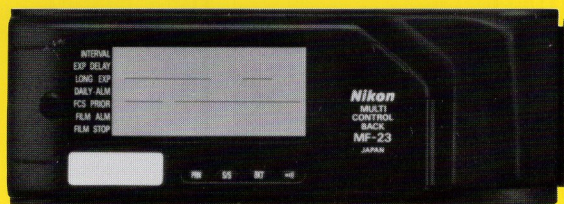
Weight:

90g (3.2 oz.) (without batteries)



MF-22 Data Back

Product number:	4622
Usable camera:	Nikon F4 camera
Application:	Provides for conventional data imprinting on film; data imprinted within the picture frame area; equipped with SELECT button to turn on/off; either time or date imprinting is possible
Usable film speed:	ISO 32-3200
Power source:	One CR2050 battery (supplied)
Dimensions:	160 x 56 x 22mm (6.3 x 2.2 x 0.9 in.)
Weight:	Approx. 100g (3.5 oz.), without battery



MF-23 Multi-Control Back for Nikon F4

Product number:	4623
Usable camera:	Nikon F4 camera
Application:	Provides for data imprinting on film and other special control functions in combination with the Nikon F4 camera
Data Imprint:	Imprinting of date, time, sequence #, frame number, shutter/aperture information or fixed number possible via selection; data imprinted within the picture frame and/or between frames via selector
Other functions:	Interval/timer, automatic exposure bracketing, long-time exposure control and "Freeze" focus operation
Bracketing steps:	Up to 19 consecutive exposures (min. three frames); 1/3 EV to 2 EV steps via selector
Long exposure control:	Setting provided for selection of exposure times up to 99 hr., 59 min., 59 sec.
Usable film speed:	ISO 25-3200
Power source:	Two CR2050 batteries (supplied)



Nikon F3



Nikon F3HP



Nikon F3/T



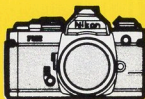
Nikon F3AF



Nikon FA



Nikon FE2



Nikon FM2



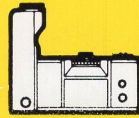
Nikon N2020



Nikon N2000



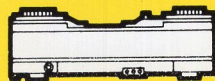
Nikon FG-20



MD-4
Motor Drive



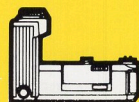
MK-1
Firing Rate Converter



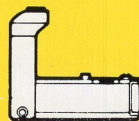
MF-4
250-exposure Magazine
Back



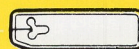
MC-12A
Motor Remote Trigger
Cord



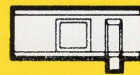
MD-15
Motor Drive



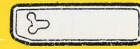
MD-12
Motor Drive



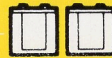
AH-3
Tripod Mounting
Adapter



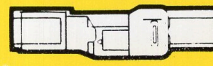
MF-6B
Auto-Rewind-Stop Back



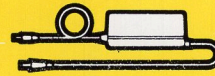
AH-3
Tripod Mounting
Adapter



MZ-1
250-exposure Film
Cassette



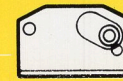
MF-17
Data Back
(250-exposure)



MH-2NiCd
Battery Charger



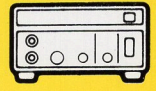
MN-2
NiCd Battery Unit



Bulk Film Loader



MC-11
Power Connecting Cord



MT-2
Intervalometer



MR-3
Motor Terminal Release



MC-10
Motor Remote Trigger
Cord



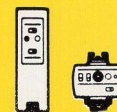
MC-4A
Motor Remote Cord (3
ft.)



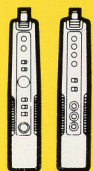
Pistol Grip Model II



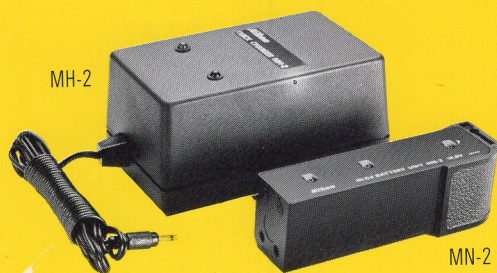
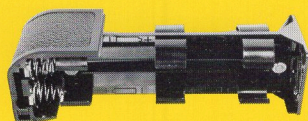
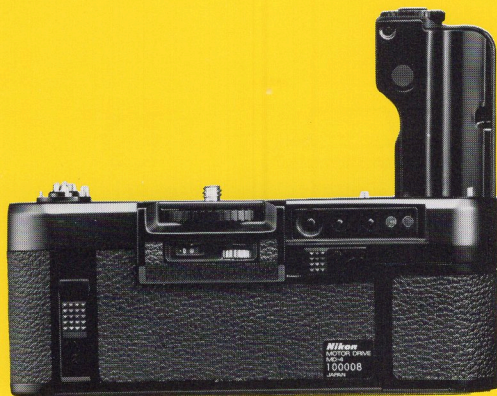
MC-3A
Coiled Cord for Pistol
Grip



ML-1
Modulite Remote
Control Set



MW-2
Wireless Remote
Control Set



Motor Drive MD-4 for Nikon F3 Series

Product number:
Compatible cameras:
Shooting speeds:

120
Nikon F3 Series
Eight AA-type 1.5V alkaline batteries, Normal: 3.8, Mirror up: 4
MN-2 NiCd battery unit, Normal: 5.5, Mirror up: 6
MA-4 AC/DC Converter, Normal: 5, Mirror up: 5.5
The firing rates decreases at shutter slower than 1/125 sec.

Shooting modes:

Single frame (S) continuous (C) via S-C mode selector; lock (L) position provided

Exposure meter power:

By electromagnetic trigger button; also switches on camera meter when depresses halfway; meter remains on for 16 seconds after finger is lifted from button

Weight:

16.9 oz (480g)

Dimensions:

155mm (W) x 146.5mm (H) x 71mm (H)

AA Battery Holder MS-3

Product number:
Application:

127
Holder for eight AA-type (penlight) batteries used to power the Motor Drive MD-4

NiCd Battery Charger MH-2

Product number:
Application:
Dimensions:
Weight:

126
Quick-charge unit for NiCd Battery MN-2
127mm(W) x 78mm(H) x 57mm(D)
560g

NiCd Battery Unit MN-2

Product number:
Application:
Recharging time:
Dimensions:
Weight:

125
Rechargeable power source for Motor Drive MD-4
3½ hours continuous charging
114mm(W) x 43mm(H) x 37mm(D)
250g

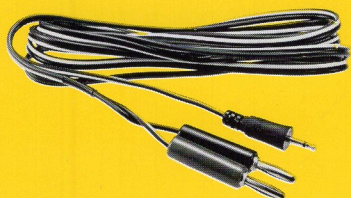
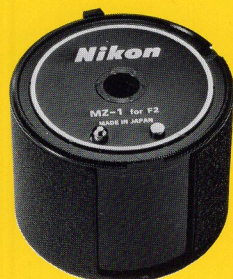
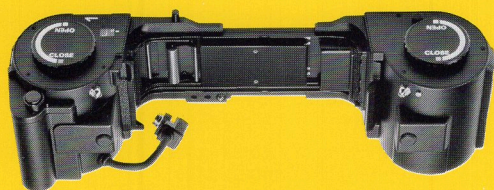
Auto-Rewind-Stop Camera Back MF-6B

Product number:
Application:

136
Used in conjunction with Nikon F3-Series camera and Motor Drive MD-4 to provide for cessation of rewind operation with the film leader protruding from the film cassette

Other accessories:

AC/DC Converter
Misc. Remote Control Cords MC-4A, MC-10, MC-12A



250-Exposure Magazine Back MF-4

Product number:	134
Compatible camera:	All Nikon F3-Series camera bodies without modification
Compatible Motor Drive:	Nikon Motor Drive MD-4
Film cassette:	Film Cassette MZ-1 (2 each)
Shooting mode:	Single frame (S) or continuous (C) via mode switch on hand grip at front of MF-4
Shooting speed:	Max. 6 fps (at a shutter speed of 1/125 sec or faster) with the mirror in the "up" position and using NiCd Battery Unit MN-2
Shutter speeds:	8 sec to 1/2000 sec, A (Auto), X (1/80), T and B
Automatic film stop:	Film advance stops automatically when the subtractive frame counter reaches "O" setting; in the event of defective film advance operation, Motor Drive MD-4 senses the film tension and stops automatically
Battery check:	If both LEDs light up, full battery power is available; if only one LED lights up drop in power is indicated; no LED lights up indicates batteries should be replaced immediately
Power supply:	AA-type (penlight) batteries (8 x 1.5v DC) via AA Battery Holder MS-3 of motor drive; NiCd Battery Unit MN-2 (16.8 VDC) with motor drive; AC power via AC/DC Converter MA-4 with motor drive
Remote control:	Suitable for operation with remote control cords MC-4A or MC-12A, with wireless remote control MW-2, with Modulite Remote Control Set ML-1 or with Intervalometer MT-2
Dimensions:	303.2mm(W) x 98.5mm(H) x 84mm(D)
Weight:	About 1.1 kg (MF-4 only, without film cassettes)

250-Exposure Film Cassette MZ-1

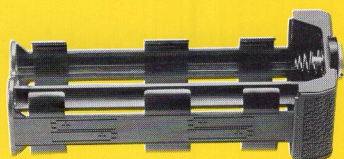
Product number:	2077
Application:	Operation with 250-Exposure Magazine Back MF-4

Bulk Film Loader

Product number:	2080
Application:	For use loading 250-Exposure Film Cassette MZ-1 with up to 250 frames

External Signal Connecting Cord MC-14

Product number:	135
Application:	For remote operation with Magazine Back MF-4, it may be useful to know when the film is at an end or when the desired number given by the frame counter has been reached; the External signal connecting cord MC-14 is used for this purpose; One end of this cord fitted with the mini-plug is connected to the frame counter signal jack of the MF-4, and a suitable display system is connected to the other end; If desired, it is also possible to read off from a distance when the subtractive frame counter has reached the "O" setting



Motor Drive MD-12 for Nikon FE2/FM2 & FA

Product number:	102
Compatible cameras:	Nikon FE2, Nikon FM2 and Nikon FA
Shooting speeds:	Up to about 3.5 fps (at shutter speeds of 1/123 sec. faster)
Shooting modes:	Single frame (S), continuous (C) via selector dial at top of grip on motor drive
Usable shutter speeds:	With "S" setting, 1-4000 sec (FM2); 8-1/4000 sec, Auto, M250 (FE2). With "C" setting, 1/2-1/4000 sec (FM2); 8-1/4000 sec, Auto, M250 (FE2)
Pilot light:	LED lights up during each film advance operation
Motor power switch:	On/Off switch provided at rear of MD-12
Exposure meter power:	The motor release button also serves as camera On/Off switch; power switches off automatically after approximately 50 seconds
Remote control:	Possible via integral 3-pin jack at front of motor drive
Power source:	AA-type (penlight) batteries (8 x 1.5VDC) via battery holder
Weight:	410g (without batteries)
Dimensions:	144mm(W) x 109.5mm(H) x 68.5mm(D)
Other accessories:	Miscellaneous Remote Control Cords MC-4A, MC-10, MC-12A

AA Battery Holder (for MD-12)

Product number:	104
Application:	Holder for eight AA-type (penlight) batteries used to power the Motor Drive MD-12

AA Battery Holder MS-4

Product number:	113
Application:	Holder for eight AA-type (penlight) batteries used to power the Motor Drive MD-14/15



Motor Drive MD-15 (for Nikon FA)

Product number:	115
Compatible cameras:	Nikon FA
Shooting speeds:	Up to about 3.2 fps (at shutter speeds of 1/125 sec. and faster)
Shooting modes:	Single frame (S) and continuous (C) and locked mode (L) via selector dial at top of grip on motor drive
Exposure meter power:	The motor shutter release button also serves as camera On/Off switch; power switches off automatically after approximately 16 seconds
Remote control:	Possible via integral 3-pin jock at front of motor drive
Power source:	AA-type (penlight) batteries (8 x 1.5 VDC) via AA Battery Holder MS-4
Weight:	About 390g (without batteries)
Dimensions:	147.5mm(W) x 99mm(H) x 73mm(D)
Other accessories:	Miscellaneous Remote Control Cords MC-4A, MC-10, MC-12A



Modulite Remote Control Set ML-1

Product number:	72
Operating range:	Up to 60m (100 ft) maximum
Operating modes:	Single-frame (S) and continuous (C), as well as either of two channels (1 and 2) via selector
Power source:	Transmitter, four 1.5V AA-type (penlight) batteries; Receiver, one 9V alkaline battery
Operation life:	Approximately 750 firing cycles per set of fresh batteries
Camera connection:	Via MC-8A Motor Connection Cord (supplied) connected to remote control terminal provided on motor drive
Dimensions:	Transmitter, 40mm x 40mm x 130mm; Receiver, 50mm x 62mm x 80mm
Weight:	Transmitter, 130g (without batteries); Receiver, 170g (without battery)
Note: Receiver and transmitter units are also available separately.	



Wireless Remote Control Set MW-2

Product number:

141

Application:

For long-distance remote triggering of motorized Nikon SLR camera via connection to motor drive (except MD-E/14); hand-held transmitter activates camera-mounted receiver via radio signal

Operating range:

Up to approximately 700m-2,200 ft. under optimum conditions; up to approximately 150m (500 ft.) in city areas

Operating modes:

Any of seven combined settings of three channel selectors (CH-1, CH-2, CH-3) for control of multiple cameras via transmitter setting

Operation life:

In ready state, about 40 hours with alkaline batteries; for continuous operation, about 1 hour total operation time

Power source:

Four 1.5V AA-type (penlight) batteries for each unit

Dimensions:

Transmitter, 36mm x 70mm x 203mm

Receiver, 36mm x 70mm x 203mm

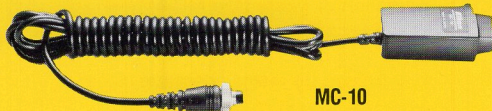
Weight:

Transmitter, 364g (without batteries);

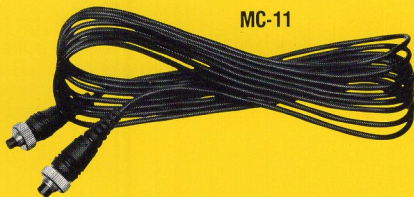
Receiver, 354g (without batteries)



MC-8A



MC-10



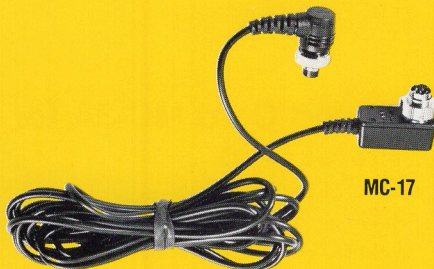
MC-11



MC-12A



MR-3



MC-17



MC-17S

Motor Connecting Cord MC-8A (replacement)

Product number: 4585

Application: For connecting Modulite Remote Control Set ML-1 to motor drive remote terminal

Motor Remote Trigger Cord MC-10

Product number: 131

Application: For use with Motor Drives MD-2/3/4/12/15 for firing camera at distances to 10 ft; With the MC-10, the exposure meter of the Nikon FE2/FM2 cameras remain switched on until the motor drive power is switched off; with the Nikon F3/FA cameras, the finder display is not functional

Power Connecting Cord MC-11

Product number: 132

Application: For connecting AC/DC converter MA-4 and Motor Drive MD-4

Motor Remote Triggering Cord MC-12A

Product number: 4586

Application: For use with Motor Drives MD-4/12/15 to provide triggering at distances to 10 ft; the display in the Nikon F3/FA/N2020/N2000 viewfinder becomes visible when the release button of the MC-12A cord is gently depressed; the exposure meter of the Nikon FE2/FM2 remains switched on until the motor drive power is switched off

Motor Terminal Release MR-3

Product number: 4563

Application: For mounting on the standard remote control terminal of Nikon motor drives and motorized cameras to provide an alternate shutter release; fitted with tapered thread for connection of standard ISO-type cable release

Multi-Motor Connecting Cord MC-17

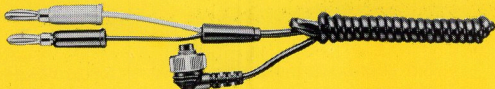
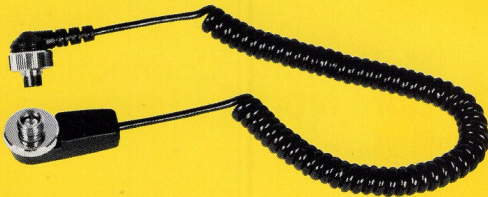
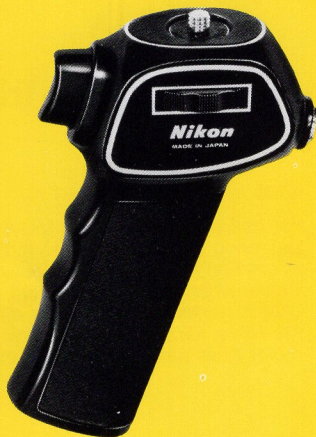
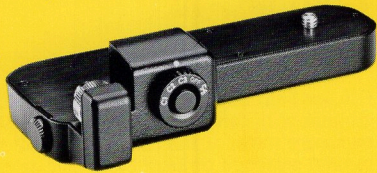
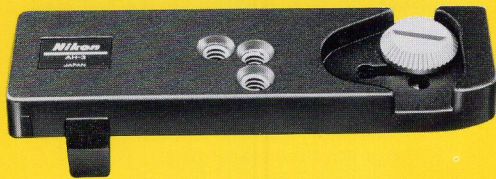
Product number: 137

Application: Simultaneous triggering of two motorized SLR cameras; cord length 3m (10 ft.)

Multi-Motor Connecting Cord MC-17S

Product number: 138

Application: Simultaneous triggering of two motorized SLR cameras; cord length 0.4m (15 in.)



Product number:

Application:

Product number:

Application:

Shooting speeds:

Dimensions:

Weight:

Product number:

Application:

Product number:

Product number:

Application:

Product number:

Application:

Tripod Mounting Adapter AH-3

4580

For attaching Nikon Motor Drives MD-4/12/14/15 and camera bodies N2020/N2000 to a tripod or to Repro-copy Outfit PF-4

Firing Rate Converter MK-1

121

Enable the selection of specific firing rates for operation of Motor Drive MD-4

Selector provides firing choice of 1fps (C1), 2fps, (C2), 3fps (C3) or unrestricted speed as determined by motor operation (C/S)

146.5mm x 33.5mm x 75mm

150g

AA Battery Holder MB-3

4570

Accepts four 1.5V AA-type (penlight) batteries for heavy-duty shooting with motorized SLR cameras N2020/N2000; extends shooting with fresh set of batteries over that afforded with standard battery holder

Pistol Grip Model II

45

Coiled Cord MC-3A for Pistol Grip

4582

Enables electrical connection of Pistol Grip to Motor Drives MD-2/3/4/12/15 and motorized cameras N2020/N2000; when Pistol Grip is triggered, the camera is fired

Motor Remote Cord MC-4A

4583

Provides for remote trigger connection with Motor Drives MD-2/3/4/12/15 and motorized cameras N2020/N2000; cord terminated in "banana plugs" for easy connection to miscellaneous electrical remote control devices



Product number:

Application:

Dimensions:

Weight:

AC/DC Converter MA-4

42

Provides for continuous electrical power source to power Motor Drive MD-4; Power connecting Cord MC-11 required for operation with Motor Drive MD-4; MC-2 cord required for operation with earlier MD-1/2/3 motor for F2-Series cameras

70mm(H) x 135mm(W) x 140mm(D)

2400g



Product number:

Application:

Power Connecting Cord MC-2

25

For connecting AC/DC Converter MA-4 and Motor Drive MD-1/2/3



Product number:

Application:

Pulse duration:

Shooting interval:

Power source:

Battery tester:

Remote trigger:

Dimensions:

Weight:

Intervalometer MT-2

128

Provide precisely timed firing of motorized SLR cameras for technical applications such as time-lapse and work-sampling photography; Motor Connecting Cord MC-16A provided

0.1 sec to 30 min

0.1 sec to 27 hours

Four 1.5V AA-type (penlight) batteries

Provided

Possible

60mm(H) x 150mm(W) x 130mm(D)

730g



Product number:

Application:

Motor Connecting Cord MC-16A (replacement)

4587

For connecting Intervalometer MT-2 to motorized camera



Speedlight/Flash Accessories



Nikon F3



Nikon F3HP



Nikon F3T



Nikon F3AF



Nikon FA



Nikon FE2



Nikon FM2



Nikon N2000



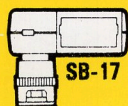
Nikon N2020



Nikon FG-20



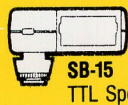
SB-21A/B
TTL Macro Speedlight



SB-17



SW-6



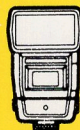
SB-15

TTL Speedlight



SW-7

Wide-Flash Adapter



SB-16A/B
TTL Speedlight



SB-18

TTL Speedlight



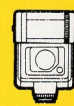
SC-15

Coiled Sync Cord



SB-19

TTL Speedlight



SB-20/22

AF TTL Speedlight



AS-8

Flash Unit Coupler



AS-9

Flash Unit Coupler



SB-11

TTL Speedlight



SW-3
Wide-Flash Adapter



SK-4

Flash Mounting Bracket



SB-14/140

Speedlight



SW-5/SW-5V/SW-5VY/
SW-51R
Wideangle attachment



SC-18

Connecting cord



SD-7

Battery Pack



SK-5

Flash Mounting Bracket



SC-11

Sync cord



SB-6

Repeating Flash



SU-1

Sensor Unit



SC-9

Sensor Remote Cord



SC-17

TTL cord



SC-18/19

TTL Multiframe
Connecting Cord



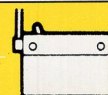
AS-10

TTL Multiframe Adapter



AS-11

Tripod Adapter



DC-1

Battery Pack



AS-3

Flash Unit Coupler



AS-4

Flash Unit Coupler



AS-5

Flash Unit Coupler



AS-6

Flash Unit Coupler



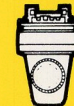
SC-14

TTL Sensor Remote
Cord



SC-13

Sensor Remote Cord



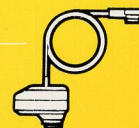
AS-7

Extension Coupler



SC-12

Cord for TTL Metering



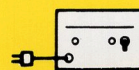
SC-23

Cord for TTL Metering



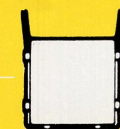
SU-13

Sensor Unit



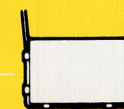
SH-3

Battery charger



SA-3

AC Unit



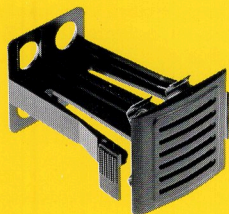
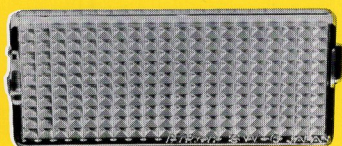
SD-5

Batterieil
Alimentation réseau



SN-3

Batterie NiCd
Pile NiCd



SW-6 Wide Flash Adapter

Product number:

4521

Application:

Provides diffusion sufficient to enable use of speedlight unit with 28mm lens; operable with SB-15/17 Speedlights

SB-17 TTL Speedlight

Product number:

4547

Light output control:

Silicon thyristor-controlled rectifier and series circuitry; automatic TTL flash output control with Nikon F3-series cameras; non-TTL automatic exposure control with other Nikon SLR cameras

Guide number:

GN 25 or GN 18 with SW-6 wide-flash adapter (ISO 100 and meters)

Angle of coverage:

60° horizontal and 45° vertical as normal; 70° horizontal and 53° vertical with diffusion; SW-6 Wide-Flash Adapter provided

Number of flashes:

Approximately 160 full-power (M) bursts with fresh alkaline batteries; more in automatic modes of operation

Recycling time:

Approximately 8 sec. in manual (M) mode; faster in automatic modes of operation

Flash ready indicator:

Via flash "ready-light" at rear of flash unit and in camera viewfinder; contact provided for coupling to finder display in dedicated cameras

TTL automatic exposure operation:

With Nikon F3-Series cameras, film speeds of ISO 25 to 400; usable aperture range from f/2 to f/22 (ISO 100)

Manual full power (M) operation:

Via "M" at rear of flash; full power output provided regardless of working distance

Manual low power (MD) operation:

Via "MD" setting at rear of flash; output reduced from GN 25 to GN 7 (ISO 100) to enable flash operation with motorized cameras to firing rate of 3.5 fps; up to maximum four successive flashes possible at one time

Non-TTL automatic (A) operation:

Automatic exposure control via built-in light sensor; film speeds of ISO 25 to 800; aperture settings (ISO 100) of f/4 at 0.6 - 6.2m and f/8 at 0.6-3.1m

Power source:

Four 1.5V AA-type (penlight) batteries

Other features:

Open-flash button; sync flash terminal; TTL multi-flash terminal; bounce head pivots to 90°; supplied with SS-17 Pouch Case, MS-6 Battery Holder and SW-6 Wide-Flash Adapter

Dimensions:

101mm x 90mm x 42.5mm

Weight:

300g (11 oz.), without batteries

MS-6 AA Battery Holder

Product number:

4553

Application:

Provides mounting for four AA-type penlight batteries; operable with SB-15/17 Speedlights



SW-7



AS-8



MS-5

SB-16 TTL Speedlight

Product number:

4542 (SB-16A for F3-series cameras)
4543 (SB-16B for other models)

Light output control:

Silicon thyristor-controlled rectifier and series circuitry; automatic TTL flash output control with Nikon F3-series (SB-16A) or Nikon FA/FE2/N2020/N2000/N4004 (SB-16B); non-TTL automatic exposure control with other Nikon SLR cameras

Guide number:

GN 32 with zoom head set at N or GN 19 at W1 with SW-7 Wide-Flash Adapter (ISO 100 and meters); GN 8 for secondary flash (ISO 100 and meters)

Angle of coverage:

60° horizontal and 45° vertical as normal; 78° horizontal and 68° vertical with diffusion; SW-7 Wide-Flash Adapter provided

Main flash head positioning:

Rotatable and tiltable; pull-out condenser (plus diffuser) for various focal lengths:
Head position T for 85mm focal length
Head position S for 50mm focal length
Head position N for 35mm focal length
Head position W1 for 28mm focal length
Head position W1 (plus SW-7) for 24mm focal length

Secondary flash head positioning:

Rigid built-in; for illuminating shadows (or providing catch-light for the eyes in portraiture) whenever the main flash head is used for bounce-flash operation

TTL automatic exposure operation:

With applicable Nikon dedicated camera; film speed of ISO 25 to 400; usable aperture range of f/2 to f/22

Non-TTL automatic (A) operation:

Automatic exposure control via built-in light sensor; film speeds of ISO 25 to 1000; two aperture settings provided

Manual full power (M) operation:

Via "M" setting at rear of flash; full power output provided regardless of working distance

Manual low power (MD) operation:

Via "MD" setting at rear of flash; output reduced from GN 32 to GN 8 (ISO 100) to enable flash operation with motorized cameras to firing rate of 4 fps; up to maximum eight successive flashes possible at one time

Dimensions (WxHxD):

82mm(W) x 166.5mm(H) x 100mm(D) (SB-16A)
82mm(W) x 144mm(H) x 100mm(D) (SB-16B)

Weight:

510g (18 oz.) (SB-16A, without batteries)
470g (17 oz.) (SB-16B, without batteries)

SW-7 Wide Flash Adapter

Product number:

4550

Application:

Provides diffusion sufficient to enable use of speedlight unit with 24mm lens when main head set to W1 position; operable with SB-16A/B Speedlights

MS-5 AA Battery Holder

Product number:

4552

Application:

Provides mounting for batteries used to power SB-16

AS-8 Flash Unit Coupler

Product number:

4544

Application:

Provides for mounting of SB-16 Speedlight head to F3-series camera hot shoe; provides all necessary interface for full TTL flash operation with these cameras

AS-9 Flash Unit Coupler

Product number:

4545

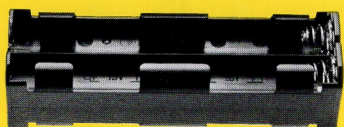
Application:

Provides for mounting of SB-16 Speedlight head to Nikon SLR cameras equipped with ISO-type hot shoe; provides all necessary interface for full TTL flash operation with these cameras



SB-22 AF TTL Speedlight

Product number:	4703
Light output control:	Silicon thyristor-controlled rectifier and series circuitry; automatic TTL flash output control with Nikon FA/FE2/N2020/N2000/N4004; non-TTL automatic exposure control with other Nikon SLR cameras
AF illuminator:	LED illuminator provided to project pattern whenever there is insufficient light for automatic focusing when using the N2020/N4004 autofocus cameras; this function works only with single-servo autofocus operation
Guide number:	GN 25, or GN 18 with wide-flash diffuser (ISO 100 and meters)
Angle of coverage:	60° horizontal and 45° vertical, as normal; 70° horizontal and 53° vertical with diffusion; wide-flash diffuser built-in
Bounce flash:	Flash head pivots for settings from -7° (7° downward) to +90° (vertical flash)
Number of flashes:	Approximately 200 full power (M) bursts with fresh alkaline batteries; more in automatic modes of operation
Recycling time:	Approximately 4 sec. in manual (M) mode; faster in automatic modes of operation
Flash ready indicator:	Via flash "ready-light" at rear of flash unit and in camera viewfinder; contact provided for coupling to finder display in dedicated cameras
TTL automatic operation:	With Nikon dedicated cameras; film speeds of ISO 25-400 (FA/FE2) or ISO 25-1000 (N2020/N2000); programmed TTL automatic flash mode only with Nikon N2020/N2000; usable aperture range from f/2 to f/22 (ISO 100)
Manual full power (M) operation:	Via "M" setting at rear of flash; full power output provided regardless of working distance
Manual low power (MD) operation:	Via "MD" setting at rear of flash; output reduced from GN 25 to GN 7 (ISO 100) to enable flash operation with motorized cameras to firing rate of 3.5 fps; up to maximum four successive flashes possible at one time; with SD-7 Battery Pack, up to 40 successive flashes possible
Non-TTL automatic (A) operation:	Automatic exposure control via built-in light sensor; film speeds of ISO 25-800; aperture settings (ISO 100) of f/4 at 0.6m-6.2m and f/8 at 0.6m-3.1m
Power switch:	Three position switch provided with "ON" "OFF" and "STBY" settings; at "STBY" with Nikon FA/FE2/N2020/N2000, switches off automatically within 1 to 2 minutes when not in use; the SB-22 can be switched on again by activating the camera's exposure meter
Power source:	1.5V AA-type (penlight) batteries or rechargeable NiCd batteries; optional SD-7 Battery Pack available as an accessory external battery power source; SD-7 uses six 1.5V C-type batteries
Dimensions:	68mm(W) x 105mm(H) x 80mm(D)
Weight:	250g (9 oz.), without batteries



SB-11 Speedlight Set

Product number:
Light output control:

311
Silicon thyristor-controlled rectifier and series circuitry; automatic TTL flash output control with Nikon F3-series (via cord SC-12) and Nikon FA/FE2/N2020/N2000 (via cord SC-23); non-TTL automatic exposure control with other Nikon SLR cameras, via SU-2 Sensor Unit

Guide number:
Angle of coverage:

GN 36, or GN 25 with SW-3 Wide-Flash Adapter (ISO 100 and meters)
56° horizontal and 40° vertical as normal; 67° horizontal and 48° vertical with diffusion; SW-3 Wide-Flash Adapter provided

Number of flashes:

Approximately 150 full-power (M) bursts with fresh alkaline batteries; more in automatic modes of operation

Recycling time:

Approximately 8 sec. in manual (M) mode; faster in automatic modes of operation

Flash ready indicator:

Via flash "ready-light" at rear of flash unit and in camera viewfinder via accessory cords

Automatic operation:

Three-step automatic exposure control via SU-2 Sensor Unit; aperture settings (ISO 100) of f/4 at 0.6-9m, f/5.6 at 0.6-6.4m and f/8 at 0.6-4.5m

Power source:

Eight 1.5V AA-type (penlight) batteries

Camera mounting:

Via accessory SK-4 Flash Mounting Bracket

Dimensions:

276mm(H) x 104mm(W) x 118mm(D), without SK-4

Weight:

860g (31 oz.), flash unit only

SW-3 Wide-Flash Adapter (repl.)

Product number:
Application:

3057
Provide diffusion for operation with lenses to 28mm wide angle coverage; operable with SB-11 Speedlight

AA Battery Holder (repl.)

Product number:
Application:

3064
Provide mounting for eight AA-type batteries to power flash unit; operable with SB-11 Speedlight



SB-14 Speedlight Set with SD-7 Battery Pack

Product number:	4525
Light output control:	Silicon thyristor-controlled rectifier and series circuitry; automatic TTL flash output control with Nikon F3-series (via cord SC-12) and Nikon FA/FE2/N2020/N2000/N4004 (via cord SC-23); non-TTL automatic exposure control with other Nikon SLR cameras, via sensor unit SU-2
Guide number:	GN 32, or GN 22 with SW-5 Wide-Flash Adapter (ISO 100 and meters)
Angle of coverage:	67° horizontal and 48° vertical, as normal; 77° horizontal and 56° vertical with diffusion; SW-5 Wide-Flash Adapter provided
Number of flashes:	Approximately 270 full-power (M) bursts with fresh alkaline batteries; more in automatic modes of operation
Recycling time:	Approximately 8 sec. in manual (M) mode; faster in automatic modes of operation
Automatic operation:	Three-step automatic exposure control via SU-2 Sensor Unit; aperture settings (ISO 100) of f/4 at 0.6m-8m, f/5.6 at 0.6-5.6m and f/8 at 0.6-4m
Power source:	Six 1.5V C-type batteries via accessory SD-7 Battery Pack
Camera mounting:	Via accessory SK-5 Flash Mounting Bracket
Dimensions:	217mm(H) x 94mm(W) x 91mm(D), without SK-5; 95mm(H) x 200mm(W) x 45mm(D), SD-7
Weight:	515g (18 oz.), flash unit only; 440g (15 oz.), SD-7 without batteries

SD-7 Battery Pack

Product number:	4520
Application:	Provides power for operation of SB-14/140 speedlight; alternate power source for SB-11/20/22
Dimensions:	95mm x 200mm x 45mm
Weight:	440g (15 oz.), without batteries

SW-5 Wide-Flash Adapter

Product number:	4522
Application:	Provide diffusion for operation with lenses to 24mm wide angle coverage; operable with SB-14 Speedlight



SB-140 UV-IR Speedlight Set (For ultraviolet, visible and infrared photography)

Product number:	4512
Light output control:	Silicon thyristor-controlled rectifier and series circuitry; automatic TTL flash output control with Nikon F3-series (via cord SC-12); and Nikon FA/FE2/N2020/N2000 (via cord SC-23); TTL flash output control only for visible light; non-TTL automatic exposure control with other Nikon SLR cameras, via SU-2 Sensor Unit
Photographic filters/bands:	SW-5V Filter, 400-1100nm (for visible light); SW-5UV Filter, 300-400nm and above 650nm (for UV light); and SW-5IR Filter, 750-1100nm (for IR light)
Guide number:	GN 32 as normal with SW-5V for visible light (ISO 100 and meters); GN 22 with SW-5IR for infrared light; GN 16 with SW-5UV for ultra-violet light
Angle of coverage:	70° horizontal and 53° vertical, as normal for 28mm lenses
Number of flashes:	Approximately 270 full-power (M) bursts with fresh alkaline batteries; more in automatic modes of operation
Recycling time:	Approximately 9.5 sec. in manual (M) mode; faster in automatic modes of operation
Automatic operation:	Three-step automatic exposure control via SU-3 Sensor unit; aperture settings (ISO 100, visible light) of f/4 at 0.6-8m, f/5.6 at 0.6-5.6m and f/8 at 0.6-4m
Power source:	Six 1.5V C-type batteries via accessory SD-7 Battery Pack
Camera mounting:	Via accessory SK-5 Flash Mounting Bracket
Dimensions:	217mm(H) x 94mm(W) x 91mm(D), without SK-5
Weight:	515g (18 oz.), flash unit only



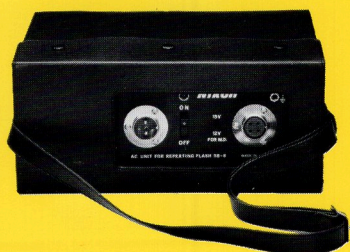
SD-7 Battery Pack

Product number:	4520
Application:	Provide diffusion for operation with lenses to 24mm wide angle coverage; operable with SB-14 Speedlight
Automatic operation:	Three-step automatic exposure control via SU-1 Sensor Unit; aperture settings (ISO 100) of f/4 at 1m-11m, f/5.6 at 1-8m and f/8 at 1-5.5m 190mm x 128mm dia.



SB-21 TTL Macro Speedlight

Product number:	4701 (SB-21A for F3-series cameras) 4702 (SB-21B for other models)
Light output control:	Silicon thyristor-controlled rectifier and series circuitry; automatic TTL flash output control with Nikon F3-series (SB-21A) or Nikon FA/FE2/N2020/N2000 (SB-21B); manual exposure control with other Nikon SLR cameras
Guide number:	GN 13 (ISO 100 and meters)
Number of flashes:	Approximately 200 full-power (M) bursts with fresh alkaline batteries via holder in AS-12/14 Controller; approximately 300 full-power (M) bursts via optional LD-2 Battery Pack; more in automatic modes of operation
Recycling time:	Approximately 8-sec. in manual (M) mode via controller-mounted batteries; approximately 4 sec. in manual (M) mode via LD-2 Battery Pack; faster in automatic modes of operation
Flash ready indicator:	Via flash "ready-light" at rear of flash unit and in camera viewfinder; contact provided for coupling to finder display in dedicated cameras
TTL film speed range:	ISO 25-1000 with Nikon N2000/N2020; ISO 25-400 with Nikon F3/FA/FE2
Power source:	Four 1.5V AA-type (penlight) batteries via AS-12/14 Controller or eight 1.5V AA-type (penlight) batteries via LD-2 Battery Pack
Dimensions:	130mm(W) x 120mm(H) x 21mm(D), SB-21 flash head; 100mm(W) x 90mm(H) x 41.6mm(D), AS-12/14 Controller Unit
Weight:	145g (5 oz.), SB-21 flash head; (9.8 oz.), AS-12 without batteries; 250g (8.8 oz.), AS-14 without batteries



SB-6 Repeating Flash

Product number:

290

Light output control:

Silicon thyristor-controlled rectifier and series circuitry; non-TTL automatic via SU-1 Sensor Unit and SC-9 Sensor Remote Cord

Guide number:

GN 45 as normal at manual full power setting (ISO 100 and meters); variable to GN 8 via power output level selector (ISO 100 and meters)

Angle of coverage:

56° horizontal and 40° vertical

Automatic operation:

Three-step automatic exposure control via SU-1 Sensor Unit; aperture settings (ISO 100) of f/4 at 1m-11 f/5.6 at 1-8m and f/8 at 1-5.5,

Dimensions:

190mm x 128mm dia.

Manual operation:

Six-step manual exposure control from "FULL" to "1/32" power levels; firing rate of 5-40 flashes/second with SA-3 AC Power Unit; can synchronize at motor drive speeds to 3.8 fps

Weight:

1100g (39 oz.), flash head only

SA-3 AC Power Unit

Product number:

291

Application:

Provide electric power for operation of SB-6 Repeating Flash

Dimensions (HxWxD):

191mm x 211mm x 116mm, without case;
218mm x 284mm x 125mm, with case

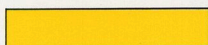
Weight:

About 10kg (22 lbs.)

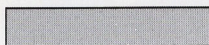
Flash Compatability Chart



Camera	F3 Series	FA/FE2/N2000	FM2	N2020
Flash				
SB-11	Via SC-12	Via SC-23		Via SC-23
		Via SC-13	Via SC-13	Via SC-13
SB-14	Via SC-12	Via SC-23		Via SC-23
		Via SC-13	Via SC-13	Via SC-13
SB-140	Via SC-12	Via SC-23		Via SC-23
		Via SC-13	Via SC-13	Via SC-13
SB-16A	Direct or Via SC-14	Via Coupler AS-6	Via Coupler AS-6	Via SC-13
SB-16B		Direct or Via SC-17		
	Via Coupler AS 4/7		Direct or Via SC-17	
SB-17	Direct or Via SC-14	Via Coupler AS-6	Via Coupler AS-6	Direct or Via SC-17
				Via Coupler AS-6
SB-20/22		Direct or Via SC-17		Direct or Via SC-17
	Via Coupler AS-4/7			
SB-21A	Direct	Via Coupler AS-6	Via Coupler AS-6	Via Coupler AS-6
SB-21B		Direct	Direct	Direct
	Via Coupler AS-4/7			
SB-6	Via SC-9	Via SC-9	Via SC-9	Via SC-9



TTL Automatic Control



Sensored Automatic Control



Manual Control



AF-Illumination



AS-2



AS-3



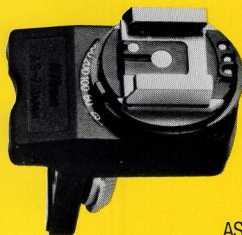
AS-4



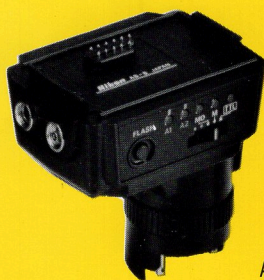
AS-5



AS-6



AS-7



AS-8



AS-11



AS-10

Product number:**Application:**

AS-1 Flash Unit Coupler

362

Couples Speedlights with ISO-type mounting foot to hot shoe of Nikon F/F2-series cameras

Product number:**Application:**

AS-2 Flash Unit Coupler

363

Couples Nikon F/F2-dedicated Speedlights to ISO-type hot shoe of Nikon FA/FE/FM/FG/N2020/N2000/N4004/cameras

Product number:**Application:**

AS-3 Flash Unit Coupler

353

Couples Nikon F/F2-dedicated Speedlights to hot shoe of Nikon F3-series cameras

Product number:**Application:**

AS-4 Flash Unit Coupler

354

Couples Speedlights with ISO-type mounting foot to hot shoe of Nikon F3-series cameras; TTL coupling is not possible

Product number:**Application:**

AS-5 Flash Unit Coupler

3059

Couples Nikon F3-dedicated speedlights to hot shoe of Nikon F/F2-series cameras

Product number:**Application:**

AS-6 Flash Unit Coupler

3060

Couples Nikon F3-dedicated Speedlights to ISO-type hot shoe of Nikon FA/FF/FM/FG/N2020/N2000/N4004 cameras; TTL coupling is not possible

Product number:**Application:**

AS-7 Extension Coupler

3065

Provides offset mounting of speedlights for Nikon F3-series cameras to facilitate film rewind operation; maintain full coupling for F3-dedicated speedlights

Product number:**Application:**

AS-8 Flash Coupler

4544

Provides for mounting of SB-16 speedlight head to F3-series camera hot shoe; provides all necessary interface for full TTL flash operation with these cameras

Product number:**Application:**

AS-9 Flash Coupler

4545

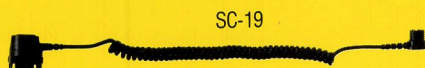
Provides for mounting of SB-16 speedlight head to Nikon SLR cameras equipped with ISO-type hot shoe; provides all necessary interface for full TTL flash operation with these cameras



SC-11



SC-15



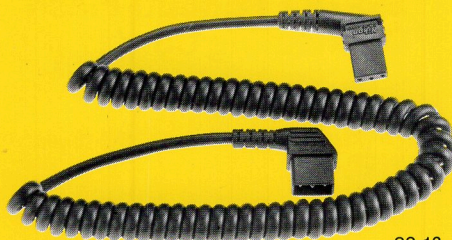
SC-19



SU-1



SD-7



SC-16



SK-4

Product number:

Application:

Product number:

Application:

Product number:

Application:

Product number:

Application:

Product number:

Application:

Product number:

Application:

Product number:

Application:

Product number:

Application:

Dimensions:

Weight:

Product number:

Application:

Product number:

Product number:

AS-10 TTL Multiflash Adapter

4560

Provides convenient connection point for TTL flash system components such as speedlight and multi-flash cords

AS-11 Tripod Adapter

4561

Provides means to connect F3-dedicated speedlights to tripod; provides mechanism to set ISO film speed to enable proper TTL speedlight operation free of ready light warning flashes

SC-11 Flash Sync Cord

3056

General-purpose flash sync cord; fitted with PC-type connector at both ends; connectors threaded for secure mounting; 15 inch length

SC-15 Coiled Sync Cord

4524

General-purpose flash sync cord providing identical function as SC-11; 3 ft. length (coiled cord)

SC-9 Sensor Remote Cord

307

Enables positioning of SU-1 sensor unit at camera hot shoe for more accurate flash exposures; operated in non-TTL automatic and manual exposure modes; 3 ft. length

SU-1 Sensor Unit

306

Provide non-TTL automatic exposure control with SB-6 repeating flash

SU-2 Sensor Unit

3055

Provide non-TTL automatic exposure control with SB-11/14 speedlight units

SD-7 Battery Pack

4520

Provide power for operation of SB-14/140 speedlights; alternate power source for SB-11/20/22

95mm x 200mm x 45mm

440g (15 oz.), without batteries

Note: When the SD-7 is used to power SB-11/20/22, the batteries of the flash unit must be removed.

SC-16 Power Connecting Cord

4523

Provide connection for SD-7 to speedlight unit

SK-4 Flash Mounting Bracket

369

SK-5 Flash Mounting Bracket

4539



Product number:

Application:

SC-12 TTL Connecting Cord

356

Enables TTL automatic flash operation of SB-11/14/140 speedlights with Nikon F3-series cameras

Product number:

Application:

SC-23 TTL Connecting Cord

4562

Enables TTL automatic flash operation of SB-11/14/140 speedlights with Nikon FA/FE2/N2020/N2000 cameras

Product number:

Application:

SC-13 Sensor Remote Cord

313

Enables positioning of SU-2/3 sensor units at camera hot shoe for more accurate flash exposures; operates in non-TTL automatic and manual exposure modes; for general-purpose operation with SB-11/14/140 Speedlights

Product number:

Application:

SC-14 TTL Sync Extension Cord

3061

Provides for off-camera positioning of F3-dedicated speedlights; provides full TTL flash coupling for operation with F3-series cameras

Product number:

Application:

SC-17 TTL Sync Extension Cord

4557

Provides for off-camera positioning of speedlights fitted with ISO-type hot shoe; provides full TTL flash coupling

Product number:

Application:

SC-18 TTL Multi-Flash Connecting Cord

4557

Provides for off-camera positioning of speedlights fitted with ISO-type hot shoe; provides full TTL flash coupling

Product number:

Application:

SC-19 TTL Multi-Flash Connecting Cord

4559

Provides identical function as SC-18 cord; 10 ft. length



Nikon F3



Nikon F3 HP



Nikon F3/T



Nikon F3AF*



Nikon FA



Nikon FE2



Nikon FM2



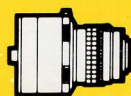
Nikon F-301



Nikon F-501



Nikon FG-20



120 mm f/4 IF
Medical-Nikkor



LD-2
Battery Pack



55 mm f/2.8
Micro-Nikkor



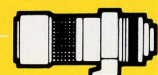
PK-13
Extension
Tube



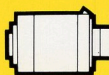
105 mm f/2.8
Micro-Nikkor



PN-11
Extension
Tube



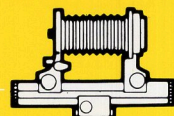
200 mm f/4 IF
Micro-Nikkor



TC-301
Teleconverter



AR-10
Double
Cable Release



PB-6
Bellows
Focus
Attachment



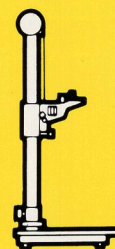
AR-7
Double
Cable Release



BR-6
Auto Ring



BR-2 A
Reversing
Ring



PF-4
Repro Copy
Outfit



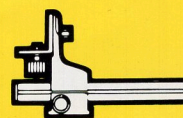
PC-3
Table
Clamp



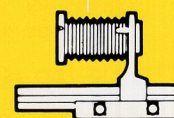
GRK
18%
Grey
Card



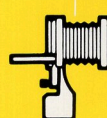
PH-4
MD Holder



PG-2
Focusing
Stage



PB-6 E
Extension
Bellows



PS-6
Sude
Copier



PB-6 M
Macro
Stand



PD-6D
Bellows
Spacer



PK-11 A
Extension
Tube



PK-12
Extension
Tube



PK-13
Extension
Tube



BR-2 A/BR-5
Reversing
Ring



BR-3
Adapter
Ring



No 0, 1, 2.
Close up attachment
Lenses



No 3T, 4T
Close up attachment
Lenses

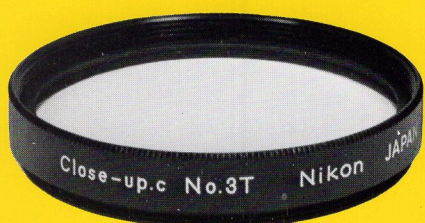
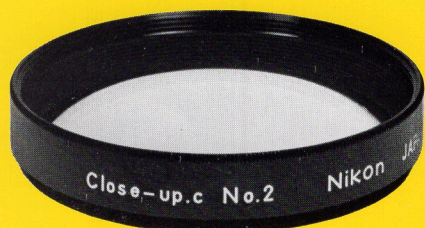
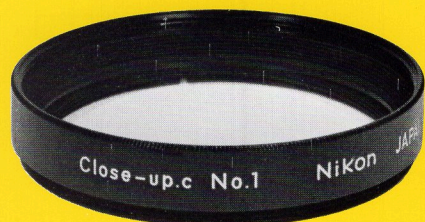
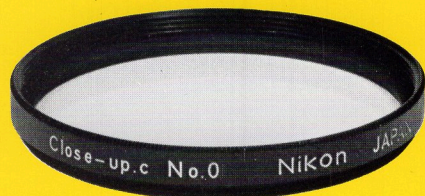


No 5T, 6T
Close up attachment
Lenses



Close-up Attachment Lenses

Nikon close-up attachment lenses occupy little space and are easy to carry along. They screw directly into the front thread of the lens (52/62mm diameter), providing a simple and convenient way of increasing magnification. The lenses have no effect on automatic exposure control and TTL metering. Nikon Integrated Coating (NIC) is applied for improving image contrast and reducing flare. Close-up attachment lenses no. 0, 1 and 2 are recommended for use with lenses having a focal length of up to 55mm. Lenses no. 3T and 4T are two-element achromat lenses providing high image quality, and are intended primarily for 85mm to 200mm lenses. The greater the diopter value of the attachment lenses, the closer the subject can be approached. The longer the focal length of the lens used, the greater the magnification which can be achieved. Nikon Close-up Attachment Lenses can be used with a large number of Nikkor and Series E lenses, either singly or in combination, and are an attractive option for beginners in close-up photography.



Close-up Attachment Lens no. 0

Product number:	2732
Application:	Mounts to front of lens for general-purpose close-up photography; recommended for lenses to 55mm focal length
Mounting thread:	52mm dia. (P = 0.75mm)
Refractive power:	0.7 diopter

Close-up Attachment Lens no. 1

Product number:	2733
Application:	Mounts to front of lens for general-purpose close-up photography; may be used in combination with no. 2 lens for even greater effects; recommended for lenses to 55mm focal length
Mounting thread:	52mm (P = 0.75mm)
Refractive power:	1.5 diopters

Close-up Attachment Lens no. 2

Product number:	2734
Mounting thread:	52mm (P = 0.75mm)
Refractive power:	3.0 diopters

Close-up Attachment Lens no. 3T

Product number:	2736
Application:	Close-up photography with telephoto lenses; maybe used in combination with no. 4T lens for even greater effects
Mounting thread:	52mm (P = 0.75mm)
Refractive power:	1.5 diopters

Close-up Attachment Lens no. 4T

Product number:	2737
Application:	Close-up photography with telephoto lenses; may be used in combination with no. 3T lens for even greater effects
Mounting thread:	52mm (P = 0.75mm)
Refractive power:	2.9 diopters

Close-up Attachment Lens no. 5T

Product number:	4536
Application:	Close-up photography with telephoto lenses; may be used in combination with no. 6T lens for even greater effects
Mounting thread:	62mm (P = 0.75mm)
Refractive power:	1.5 diopters

Close-up Attachment Lens no. 6T

Product number:	4537
Application:	Close-up photography with telephoto lenses; may be used in combination with no. 5T lens for even greater effects
Mounting thread:	62mm (P = 0.75mm)
Refractive power:	2.9 diopters



Reproduction Ratio Tables

	Lens	Lens-to-Subject Distance	Reproduction Ratio	Subject Area
Nr. 0	50 mm f/1.4	46 -147	7,1-27	26 × 17 -97 × 65
	50 mm f/1.8	38,1-150	5,4-27,4	19,3×12,9-98,5×65,7
	50 mm f/1.2	41,6-151	6,2-27,4	22,2×14,8-98,5×65,6
	85 mm f/2.0	60 -152	5,3-16,6	19,1×12,7-59,8×39,9
	105 mm f/2.5	70 -153	5,0-13	18 × 12 -48 × 32
	135 mm f/2.8	85 -156	4,6-10	17 × 11 -38 × 25
	135 mm f/3.5	85 -155	4,6-10	17 × 11 -36 × 24
	200 mm f/4.0	102 -162	3,2- 7,1	11,4× 7,6-25,4×16,9
	50 mm f/1.8 E	46,1-149	7,0-27	25,2×16,8-98,5×65,7
	100 mm f/2.8 E	65,9-151	4,8-14	17,4×11,6-50,8×33,9
Nr. 1	50 mm f/1.4	40 -78	5,7-13	20 × 14 -47 × 31
	50 mm f/1.8	33,3-76,9	4,4-13	15,9×10,6-47 × 31,3
	50 mm f/1.2	35,9-77,9	5,0-13	18 × 12 -46,9×31,3
	85 mm f/2.0	47,2-78,4	3,9- 7,9	13,9× 9,3-28,5×19
	105 mm f/2.5	53 -80	3,5- 6,4	13 × 8,4-23 × 15
	135 mm f/2.8	62 -82	3,0- 5,0	11 × 7,3-18 × 12
	135 mm f/3.5	61 -81	3,0- 5,0	11 × 7,2-18 × 12
	50 mm f/1.8 E	37,8-75,6	5,4-13	19,6×13 -47 × 31,3
	100 mm f/2.8 E	50,2-78,1	3,4- 6,7	12,3× 8,2-24,2×16,2
	50 mm f/1.4	31 -44	4,0- 6,5	14 × 9 -23 × 16
Nr. 2	50 mm f/1.8	27,3-43,2	3,3- 6,6	11,9× 7,9-23,6×15,7
	50 mm f/1.2	29,2-44,3	3,7- 6,6	13,2× 8,8-23,6×15,7
	85 mm f/2.0	35,1-44,8	2,6- 4,0	9,2× 6,1-14,3× 9,6
	105 mm f/2.5	39 -46	2,2- 3,2	8,0× 5,3-12 × 8
	135 mm f/2.8	44 -49	1,8- 2,5	6,6× 4,4- 9 × 6
	135 mm f/3.5	43 -48	1,8- 2,5	6,5× 4,3- 9 × 6
	50 mm f/1.8 E	29 -41,9	3,8- 6,6	13,7× 9,1-23,6×15,7
	100 mm f/2.8 E	36,3-44,5	2,2- 3,4	7,9× 5,2-12,2× 8,1

	Lens	Lens-to-Subject Distance	Reproduction Ratio	Subject Area
5T	35- 70 mm f/3.5 (35 mm)	45 -81	9,4-18,5	34 × 23 -67 × 44
	35- 70 mm f/3.5 (50 mm)	45 -81	6,9-13,5	25 × 17 -47 × 31
	35- 70 mm f/3.5 (70 mm)	45 -81	4,9- 9,7	18 × 12 -35 × 23
	105 mm f/1.8	52 -79	3,3- 6,3	12 × 8 -23 × 15
	80-200 mm f/4 (80 mm)	62 -87	4,4- 8,3	16 × 11 -30 × 19
	80-200 mm f/4 (105 mm)	62 -87	3,3- 6,3	12 × 8 -23 × 15
	80-200 mm f/4 (135 mm)	62 -87	2,6- 4,9	9,4× 6,2-18 × 12
	80-200 mm f/4 (200 mm)	62 -87	1,8- 3,4	6,5× 4,3-12 × 8,2
	70-210 mm f/4 (70 mm) E	61,5-83	5,6- 9,3	20 × 13 -34 × 22
	70-210 mm f/4 (105 mm) E	61,5-83	3,8- 6,3	14 × 9 -23 × 15
	70-210 mm f/4 (135 mm) E	61,5-83	3,0- 4,9	11 × 7 -18 × 12
	70-210 mm f/4 (210 mm) E	61,5-83	2,0- 3,3	7 × 4,8-12 × 8
6T	35- 70 mm f/3.5 (35 mm)	36 -49	6,6- 9,5	24 × 16 -23 × 34
	35- 70 mm f/3.5 (50 mm)	36 -49	4,8- 6,9	17 × 12 -25 × 17
	35- 70 mm f/3.5 (70 mm)	36 -49	3,4- 5	12 × 8,2-18 × 12
	105 mm f/1.8	38 -47	2,2- 3,3	8 × 5,3-12 × 8
	80-200 mm f/4 (80 mm)	47 -54	2,8- 4,3	10 × 6,7-15 × 10
	80-200 mm f/4 (105 mm)	47 -54	2,1- 3,2	7,6× 5 -12 × 7,7
	80-200 mm f/4 (135 mm)	47 -54	1,7- 2,5	6 × 4 - 9 × 6
	80-200 mm f/4 (200 mm)	47 -54	1,1- 1,8	4 × 2,6- 6,5× 4,3
	70-210 mm f/4 (70 mm) E	44,5-51	3,5- 4,8	13 × 8,4-17 × 11,5
	70-210 mm f/4 (105 mm) E	44,5-51	2,4- 3,3	8,6× 5,8-12 × 8
	70-210 mm f/4 (135 mm) E	44,5-51	1,8- 2,5	6,5× 4,3- 9 × 6
	70-210 mm f/4 (210 mm) E	44,5-51	1,2- 1,7	4,3× 2,9- 6 × 4

	Lens	Lens-to-Subject Distance	Reproduction Ratio	Subject Area
3T	85 mm f/2	46 -77	3,8 -7,8	13,7× 9 -28 × 18,6
	100 mm f/2.8 E	49,4-76,6	3,4 -6,7	12,2× 8,1-23,9×16,0
	105 mm f/2.5	51 -78	3,3 -6,3	12 × 8 -22,7×15
	135 mm f/2.8	57 -80	2,7 -4,9	10 × 6,6-17,6×11,7
	135 mm f/3.5	57 -80	2,7 -4,9	10 × 6,5-17,6×11,7
	200 mm f/4	64 -83	2,0 -3,3	7,2× 4,8-12 × 8
	75-150 mm f/3.5 (75 mm) E	54,9-83,2	4,2 -8,7	15,2×10,2-31,8×21,1
	75-150 mm f/3.5 (100 mm) E	54,9-83,2	3,2 -6,7	11,5× 7,7-23,9×15,9
	75-150 mm f/3.5 (150 mm) E	54,9-83,2	2,2 -4,6	7,8× 5,3-16,1×10,9
4T	85 mm f/2	35 -44	2,5 -4,0	9 × 6 -14,2× 9,5
	100 mm f/2.8 E	36,1-44,2	2,2 -3,4	7,9× 5,3-12,3× 8,2
	105 mm f/2.5	38 -46	2,2 -3,2	7,8× 5,2-11,6× 7,7
	135 mm f/2.8	41 -47	1,7 -2,5	6,1× 4,1- 9 × 6
	135 mm f/3.5	41 -47	1,7 -2,5	6,1× 4,1- 9 × 6
	200 mm f/4	48 -51	1,2 -1,7	4,2× 2,8- 6,1× 4,1
	75-150 mm f/3.5 (75 mm) E	42,2-50,8	2,8 -4,5	9,9× 6,7-16,2×10,8
	75-150 mm f/3.5 (100 mm) E	42,2-50,8	2,1 -3,4	7,5× 5,1-12,2× 8,2
	75-150 mm f/3.5 (150 mm) E	42,2-50,8	1,5 -2,3	5,1× 3,5- 8,3× 5,6
3T+4T	85 mm f/2	29,2-33,5	1,9 -2,7	6,8× 4,6- 9,4× 6,2
	100 mm f/2.8 E	29,8-33,1	1,6 -2,3	5,8× 3,9- 8,2× 5,4
	105 mm f/2.5	31,8-35,1	1,6 -2,2	5,8× 3,8- 7,7× 5,1
	135 mm f/2.8	34,6-36,6	1,2 -1,7	4,4× 2,9- 6 × 4
	135 mm f/3.5	34,7-36,5	1,3 -1,7	4,6× 3,1- 6 × 4
	200 mm f/4	40 -40	0,38-1,1	3 × 2 - 4 × 2,7

	Lens	Lens-to-Subject Distance	Reproduction Ratio	Subject Area
5T+6T	35- 70 mm f/3.5 (35 mm)	31 -38	5,0 -6,3	18 × 12 -23 × 15
	35- 70 mm f/3.5 (50 mm)	31 -38	3,7 -4,6	13 × 9 -17 × 11
	35- 70 mm f/3.5 (70 mm)	31 -38	2,6 -3,3	9,4× 6,2-12 × 7,9
	105 mm f/1.8	32 -36	1,6 -2,2	5,8× 3,8- 8 × 5,3
	80-200 mm f/4 (80 mm)	41 -43	2,1 -2,8	7,6× 5 -10 × 6,7
	80-200 mm f/4 (105 mm)	41 -43	1,5 -2,2	5,4× 3,6- 8 × 5,3
	80-200 mm f/4 (135 mm)	41 -43	1,2 -1,7	4,3× 2,9- 6,1× 4
	80-200 mm f/4 (200 mm)	41 -43	0,84-1,2	3 × 2 - 4,3× 2,9
	70-210 mm f/4 (70 mm) E	37,5-40	2,5 -3,2	9 × 6 -11,5× 7,7
	70-210 mm f/4 (105 mm) E	37,5-40	1,7 -2,2	6 × 4 - 8 × 5,3
	70-210 mm f/4 (135 mm) E	37,5-40	1,3 -1,7	4,7× 3,1- 6 × 4
	70-210 mm f/4 (210 mm) E	37,5-40	0,9 -1,1	3,2× 2,2- 4 × 2,6



PF-4 Repro-Copy Outfit

This useful accessory converts your camera into a professional copying unit with excellent stability. The camera cradle travels along a robust column which has a rectangular cross-section to ensure precise axial alignment. A built-in counterweight facilitates height adjustment. A separate control is provided for fine focusing. The camera can be inclined 45° or 90° to the right or left to increase the subject field. The black surface finish of the entire unit helps to reduce scattered light and flare. This unit is very useful for copying flat or three-dimensional subjects in schools, design workshops, etc. The PF-4 is suitable for all Nikon cameras, with or without motor drive.

PF-4 Repro-Copying Outfit

Product number:	2757
Maximum subject distance:	888mm (film plane to baseboard)
Column clearance:	192.6mm (front of column to lens, with F3-series camera)
Camera cradle travel:	Coarse 604mm; fine 70mm
Useful baseboard area:	475mm x 335mm
Dimensions:	475mm(D) x 445mm(W) x 1053mm(H)
Weight:	9kg (19.8 lbs.)

18% Grey Card

Product number:	2754
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PH-4 Motor Drive Holder

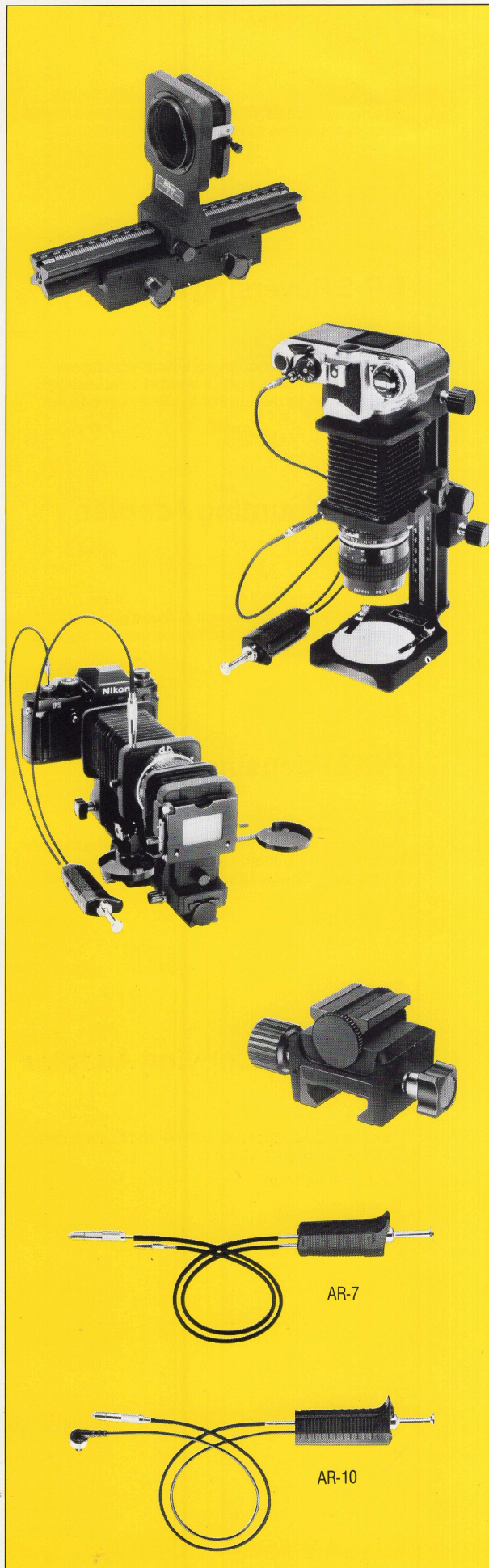
Product number:	2758
Application:	Enables mounting of all motor-equipped cameras to repro-copy outfit

PC-3 Table Clamp

Product number:	2753
Application:	Enables use of the column mechanism of the repro-copy outfit without the baseboard

PB-6 Bellows Focusing Attachment

Product number:	2660
Suitable lenses:	20mm-200mm
Bellows extension:	48mm-208mm
Magnification:	See accompanying table
Dimensions:	98mm(W) x 155m(H) x 238mm(L)
Weight:	1000g (2.2 lbs.)



PB-6E Extension Bellows

Product number: 2663
Bellows extension: 83mm-438mm (PB-6/PB-6E combined)
Magnification: See accompanying table
Dimensions: 82mm(W) x 155mm(H) x 230mm(L)
Weight: 800g (1.8 lbs.)

PB-6M Macro Copy Stand

Product number: 2662
Magnification: See accompanying table
Dimensions: 90mm(W) x 144mm(D) x 27mm(H)
Weight: 177g (6.2 oz.)

PS-6 Slide Copying Adapter

Product number: 2661
Originals copied: 35mm mounted transparencies (up to 4mm thickness) or unmounted in strips or rolls
Suitable lenses: 20mm-55mm
Reproduction ratio: See accompanying table
Holder adjustments: 6mm upwards and downwards; 9mm to each side
Bellows extension: 60mm
Dimensions: 88mm(H) x 118mm(W) x 42mm(D)
Weight: 300g (11 oz.)

PB-6D Bellows/Rail Spacer

Product number: 2664
Application: Mounts between bellows standard and rail to provide sufficient clearance to enable motorized cameras to operate with bellows system; two required

AR-4 Double Cable Release

Product number: 2636
Application: For use with cameras equipped with Nikon-type shutter release button mounting thread

AR-7 Double Cable Release

Product number: 668
Application: For use with cameras equipped with ISO-type tapered shutter release button mounting thread

AR-10 Double Cable Release

Product number: 2670
Application: For use with motorized cameras fitted with a remote control release terminal



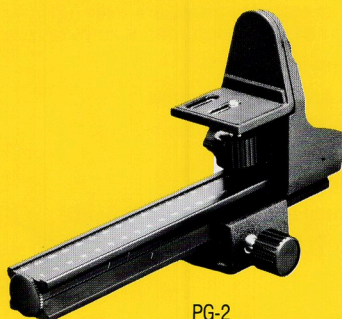
BR-2



BR-5



BR-3



PG-2



BR-2A Reversing Ring

2657

Product number:

Enables reverse mounting of lenses with 52mm attachment thread; provides for direct connection to camera or bellows lens mount

Application:

BR-5 Reversing Ring

2631

Product number:

Enables reverse mounting of lenses with 62mm attachment thread; must be used in combination with BR-2/2A for connection to camera or bellows

Application:

BR-3 Mounting Adapter Ring

2629

Product number:

Converts the bayonet mount of reverse-mounted lenses to the 52mm thread for accessories such as filters and hoods

Application:

PG-2 Focusing Stage

2756

Product number:

Permits precise fine focusing by shifting the camera body; can be mounted either vertically or horizontally; equipped with tripod mount

Application:

ES-1 Slide Copying Adapter

3213

Product number:

Enables slide duplication with Micro-Nikkor 55mm and PK-13 extension tube

Application:

72mm dia. x 80mm

Dimensions:

150g (5 oz.)

Weight:

Reproduction Ratios Obtainable with PB-6/6E

Lens			Subject Area																									
			Reproduction Ratio																									
			1/∞x	1/360x	1/180x	1/144x	1/108x	1/72x	1/36x	1/18x	2x	3x	4x	5x	6x	7x	8x	9x	10x	11x	12x	14x	16x	18x	20x	22x	24x	
20 mm f/2.8	① Reverse	Extension													72	103	123	144	164	185	208	225	266	307	348	389	429	438
		Work. Dis.													38	36.9	36.4	36.1	35.8	35.5	35.3	35.2	35	34.8	34.6	34.5	34.4	34.4
24 mm f/2.8	① Reverse	Extension													83	111	135	160	184	208	233	257	282	330	379	428	438	
		Work. Dis.													39.8	38.4	37.6	37	36.6	36.2	35.9	35.7	35.5	35.2	35	34.9	34.9	
28 mm f/2.8	② Normal	Extension													48	84												
		Work. Dis.													7.3	0												
	① Reverse	Extension													83	105	133	162	191	208	219	248	276	305	334	391	438	
		Work. Dis.													42.3	40.7	39.2	38.3	37.5	37.3	37.1	36.1	36.4	36.1	35.9	35.5	35.3	
35 mm f/2	③ Normal	Extension													48	72	108	154										
		Work. Dis.													18.6	9.6	3.6	0										
35 mm f/1.4	① Reverse	Extension													89	141	177	208	249	285	321	357	393	438				
		Work. Dis.													47.6	42.5	40.7	39.6	38.6	38	37.5	37.1	36.8	36.4				
35 mm f/2.8	③ Normal	Extension													48	72	108	144	180	208	252	288	324	360	396	438		
		Work. Dis.													24.2	15.2	9.1	6.2	4.4	3.4	2.3	1.7	1.1	0.8	0.4	0.1		
35 mm f/2.8 PC	① Reverse	Extension													83	105	141	177	208	249	285	321	357	393	438			
		Work. Dis.													48.5	45.5	42.5	40.7	39.6	38.6	38	37.5	37.1	36.8	36.4			
50 mm f/1.2	③ Normal	Extension													48	103	155	208	258	310	361	413	438					
		Work. Dis.													64	34.3	25.7	21.3	18.8	17.1	15.9	15	14.6					
	① Reverse	Extension													78	106	158	208	261	313	364	416	438					
		Work. Dis.													69	59	51	46.5	43.8	42.1	40.9	40	39.6					
55 mm f/2.8 Micro	④ Normal	Extension													48	110	165	208	275	330	440	438						
		Work. Dis.													65	29.1	19.9	16.1	12.6	10.8	8.5	8.5						
	Reverse	Extension													92	120	175	208	230	285	340	395	438					
		Work. Dis.													71	61	52	48.1	47.3	44.5	42.7	41.4	40.6					
58 mm f/1.2 Noct	⑤ Normal	Extension													48	116	174	208	232	290	348	406	438					
		Work. Dis.													74	32.7	23	18.9	18.2	15.3	13.4	12	11.4					
	Reverse	Extension													88	125	183	208	241	299	357	415	438					
		Work. Dis.													76	63	53	50	48	45.1	43.2	41.8	41.3					
85 mm f/1.4	③ Normal	Extension													48	85	170	208	255	340	438							
		Work. Dis.													210	140	97	90	83	76	71							
	Reverse	Extension													90	103	146	208	316	401	438							
		Work. Dis.													290	200	120	83	62	55	53							
105 mm f/2.8 Micro	⑤ Normal	Extension													48	105	208	315	438									
		Work. Dis.													300	170	120	100	92									
	Reverse	Extension													133	142	151	168	208	221	326	438						
		Work. Dis.													670	450	350	240	150	140	86	68						
135 mm f/3.5	③ Normal	Extension													48	68	135	208	270	405	438							
		Work. Dis.													520	420	280	230	210	190	190							
	Reverse	Extension													180	194	208	214	225	248	315	438						
		Work. Dis.													∞	1400	680	570	440	300	170	100						
180 mm f/2.8 ED	⑤ Normal	Extension													48	60	90	208	360	438								
		Work. Dis.													830	690	510	310	240	230								
200 mm f/4	⑤ Normal	Extension													48	67	100	208	400	438								
		Work. Dis.													1200	920	720	520	470	420								

Working distance:

Distance between subject (in sharp focus) and the front edge of the lens barrel. If the lens is reverse-mounted, this distance is the distance between the subject and the rear edge of the lens.

□ = only with PB-6

■ = with PB-6 and PB-6E in combination

Notes:

- Magnification at Infinity setting.
- If there are several lenses, the magnification data applies only to the first lens (e.g. for 24mm f/2.8 and f/2, it applies to 24mm f/2.8).
- The 135mm f/2 and PC-Nikkor 28mm f/3.5 lenses cannot be reverse-mounted since the diameters of the front rings are too large.
- For close-up and macrophotography, we particularly recommend the following lenses: Micro-Nikkor 55mm f/2.8 and Micro-Nikkor 105mm f/2.8.

Notes:

- Optimum picture quality with f/8
- The smaller the aperture the better the picture quality; unsuitable for reproduction.
- The smaller the aperture the better the picture quality.
- Optimum picture quality with f/8; the quality deteriorates with smaller apertures; The 50mm f/1.2 lens is not suitable for reproduction.
- Unsuitable for reproduction.
- The picture quality in the corners becomes poorer with low magnification.



Reproduction Ratios with PS-6

Lens	Subject Area		Reproduction Ratio																									
			∞ x ∞	360 x 240	180 x 120	144 x 96	108 x 72	72 x 48	36 x 24	18 x 12	12 x 8	9 x 6	7.2 x 4.8	6 x 4	5.1 x 3.4	4.5 x 3	4 x 2.7	3.6 x 2.4	3.3 x 2.2	3 x 2	2.6 x 1.7	2.3 x 1.5	2 x 1.3	1.8 x 1.2	1.6 x 1.1	1.5 x 1		
20 mm f/2.8	Reverse	Extension																										
		Work. Dis.																										
24 mm f/2.8 24 mm f/2	Reverse	Extension																										
		Work. Dis.																										
28 mm f/2.8 f/2, f/3.5 PC	Reverse	Extension																										
		Work. Dis.																										
35 mm f/2, f/1.4 f/2.8, f/2.8 PC	Reverse	Extension																										
		Work. Dis.																										
50 mm f/1.2 50 mm f/1.8 50 mm f/1.4	Normal	Extension																										
		Work. Dis.																										
	Reverse	Extension																										
		Work. Dis.																										
55 mm f/2.8 Micro	Normal	Extension																										
		Work. Dis.																										
	Reverse	Extension																										
		Work. Dis.																										

Reproduction Ratios Obtainable with PB-6M

Lens			Subject Area	Reproduction Ratio																									
				$\frac{1}{\infty}$	$\frac{1}{360}$	$\frac{1}{180}$	$\frac{1}{144}$	$\frac{1}{108}$	$\frac{1}{72}$	$\frac{1}{48}$	$\frac{1}{24}$	$\frac{1}{12}$	$\frac{1}{8}$	$\frac{1}{6}$	$\frac{1}{4.8}$	$\frac{1}{4}$	$\frac{1}{3.4}$	$\frac{1}{3}$	$\frac{1}{2.7}$	$\frac{1}{2.4}$	$\frac{1}{2.2}$	$\frac{1}{2}$	$\frac{1}{1.7}$	$\frac{1}{1.5}$	$\frac{1}{1.3}$	$\frac{1}{1.2}$	$\frac{1}{1.1}$	$\frac{1}{1}$	
20 mm f/2.8	Reverse	Extension																											
		Work. Dis.																											
24 mm f/2.8 24 mm f/2	Reverse	Extension																											
		Work. Dis.																											
28 mm f/2.8 28 mm f/2 28 mm f/3.5 PC	Normal	Extension																											
		Work. Dis.																											
	Reverse	Extension																											
		Work. Dis.																											
35 mm f/2 35 mm f/1.4 35 mm f/2.8 35 mm f/2.8 PC	Normal	Extension																											
		Work. Dis.																											
	Reverse	Extension																											
		Work. Dis.																											
50 mm f/1.2 50 mm f/1.8 50 mm f/1.4	Normal	Extension																											
		Work. Dis.																											
	Reverse	Extension																											
		Work. Dis.																											
55 mm f/2.8 Micro	Normal	Extension																											
		Work. Dis.																											
	Reverse	Extension																											
		Work. Dis.																											

Working distance:

Distance between subject (in sharp focus) and the front edge of the lens barrel. If the lens is reverse-mounted, this distance is the distance between the subject and the rear edge of the lens.

Notes:

- 1) Magnification at infinity setting.
- 2) If there are several lenses, the magnification data applies only to the first lens (e.g. for 24mm f/2.8 and F/2, it applies to 24mm f/2.8).
- 3) The 135mm f/2 and PC-Nikkor 28mm f/3.5 lenses cannot be reverse-mounted since the diameters of the front rings are too large.
- 4) For close-up and macrophotography, we particularly recommend the following lenses: Micro-Nikkor 55mm f/2.8 and Micro-Nikkor 105mm f/2.8.



Product number: 2656
Extension: 8mm
Dimensions: 64.4mm dia. x 17.8mm
Weight: 50g (2 oz.)

PK-11A Extension Tube



Product number: 2652
Extension: 14mm
Dimensions: 64.4mm dia. x 23.6mm
Weight: 75g (2 oz.)

PK-12 Extension Tube



Product number: 2653
Extension: 27.5mm (for Micro-Nikkor 55mm)
Dimensions: 64.4mm dia. x 30.5mm
Weight: 3 oz.

PK-13 Extension Tube



Product number: 2647
Extension: 52.2mm (for Micro-Nikkor 105mm)
Dimensions: 70.5mm dia. x 67mm
Weight: 245g (9 oz.)

PN-11 Extension Tube

Extension Tube (combination)	Total
Extension Tube (combination)	Extension
PK-11A	8mm
PK-12	14mm
PK-11A (+ PK-12)	22mm
PK-13	27.5mm
PK-11A (+ PK-13)	35.5mm
PK-12 (+ PK-13)	41.5mm



Auto Extension Tubes

The Nikon auto extension tubes can be attached to your camera bayonet with a simple action and permit a large number of different magnifications. These four tubes (PK-11, 12 and 13 and the PN-11) can be used either singly or in combination between camera and lens and retain the automatic function and meter coupling of the Nikkor and Series E lenses. In other words, the picture composition, focusing and metering can be carried out at the bright, full-aperture position without having to stop down the lens manually before shooting. These extension tubes have no effect on automatic exposure control of the corresponding Nikon cameras.

Nikkor 20mm f/2.8

Extension Tube	Reproduction Ratio	Subject Area	Film-Plane-to-Subject Distance	Exposure Factor
—	$1/\infty - 1/10,8$	$\infty \times \infty - 10,2 \times 15,3$ $\infty \times \infty - 25,9 \times 38,9$	$\infty - 11,8$ $\infty - 30,0$	1–1,1
PK-11	$1/2,6 - 1/2,1$	$2,4 \times 3,6 - 2,0 \times 2,9$ $6,1 \times 9,2 - 5,0 \times 7,4$	$5,3 - 5,0$ $13,4 \times 12,6$	1,4–1,4
PK-12	$1/1,5 - 1/1,3$	$1,4 \times 2,1 - 1,2 \times 1,8$ $3,5 \times 5,2 - 3,1 \times 4,6$	$4,6 - 4,6$ $11,7 - 11,6$	1,7–1,8
PK-11 + PK-12	1,1–1,2	$0,88 \times 1,3 - 0,81 \times 1,2$ $2,2 \times 3,3 - 2,1 \times 3,1$	$4,5 - 4,5$ $11,5 - 11,5$	2,1–2,2
PK-13	1,4–1,4	$0,10 \times 1,1 - 0,66 \times 0,98$ $1,8 \times 2,7 - 1,7 \times 2,5$	$4,6 - 4,6$ $11,6 - 11,7$	2,5–2,6
PK-11 + PK-13	1,7–1,8	$0,54 \times 0,81 - 0,52 \times 0,77$ $1,4 \times 2,1 - 1,3 \times 2,0$	$4,8 - 4,8$ $12,1 - 12,2$	3,0–3,1
PK-12 + PK-13	2,0–2,1	$0,46 \times 0,70 - 0,44 \times 0,67$ $1,2 \times 1,8 - 1,1 \times 1,7$	$4,9 - 5,0$ $12,5 - 12,7$	3,4–3,6

Nikkor 24mm f/2.8

Extension Tube	Reproduction Ratio	Subject Area	Film-Plane-to-Subject Distance	Exposure Factor
—	$1/\infty - 1/8,8$	$\infty \times \infty - 8,4 \times 12,5$ $\infty \times \infty - 21,2 \times 31,8$	$\infty - 11,8$ $\infty - 30,0$	1–1,1
PK-11	$1/3,0 - 1/2,3$	$2,9 \times 4,3 - 2,1 \times 3,2$ $7,3 \times 11,0 - 5,4 \times 8,2$	$6,5 - 5,8$ $16,4 \times 14,8$	1,3–1,4
PK-12	$1/1,7 - 1/1,5$	$1,6 \times 2,5 - 1,4 \times 2,1$ $4,2 \times 6,3 - 3,5 \times 5,2$	$5,4 - 5,3$ $13,8 - 13,4$	1,5–1,7
PK-11 + PK-12	$1/1,1 - 1,0$	$1,0 \times 1,6 - 0,93 \times 1,4$ $2,7 \times 4,0 - 2,4 \times 3,5$	$5,2 - 5,1$ $13,1 - 13,1$	1,9–2,0
PK-13	1,1–1,2	$0,84 \times 1,3 - 0,76 \times 1,1$ $2,1 \times 3,2 - 1,9 \times 2,9$	$5,2 - 5,2$ $13,1 - 13,2$	2,2–2,3
PK-11 + PK-13	1,5–1,6	$0,65 \times 0,97 - 0,6 \times 0,9$ $1,6 \times 2,5 - 1,5 \times 2,3$	$5,3 - 5,3$ $13,4 - 13,6$	2,6–2,8
PK-12 + PK-13	1,7–1,8	$0,56 \times 0,83 - 0,52 \times 0,78$ $1,4 \times 2,1 - 1,3 \times 2,0$	$5,4 - 5,5$ $13,8 - 14,0$	2,9–3,1
PK-11 + PK-12 + PK-13	2,0–2,1	$0,4 \times 0,70 - 0,44 \times 0,66$ $1,2 \times 1,8 - 1,1 \times 1,7$	$5,6 - 5,7$	3,4–3,6

Nikkor 24mm f/2

Extension Tube	Reproduction Ratio	Subject Area	Film-Plane-to-Subject Distance	Exposure Factor
—	$1/\infty - 1/8,7$	$\infty \times \infty - 8,2 \times 12,3$ $\infty \times \infty - 20,8 \times 31,2$	$\infty - 11,9$ $\infty - 30,2$	1–1,1
PK-11	$1/3,1 - 1/2,3$	$2,9 \times 4,3 - 2,1 \times 3,2$ $7,3 \times 11,0 - 5,5 \times 8,2$	$6,0 - 6,0$ $16,9 \times 15,2$	1,2–1,3
PK-12	$1/1,7 - 1/1,5$	$1,7 \times 2,5 - 1,4 \times 2,1$ $4,2 \times 6,3 - 3,5 \times 5,3$	$5,6 - 5,4$ $14,2 - 13,8$	1,4–1,6
PK-11 + PK-12	$1/1,1 - 1,0$	$1,1 \times 1,6 - 0,94 \times 1,4$ $2,7 \times 4,0 - 2,4 \times 3,6$	$5,3 - 5,3$ $13,5 - 13,5$	1,7–1,9
PK-13	1,1–1,2	$0,84 \times 1,3 - 0,77 \times 1,2$ $2,1 \times 3,2 - 1,9 \times 2,9$	$5,3 - 5,3$ $13,5 - 13,6$	1,9–2,1
PK-11 + PK-13	1,4–1,6	$0,65 \times 0,98 - 0,61 \times 0,91$ $1,7 \times 2,5 - 1,5 \times 2,3$	$5,4 - 5,5$ $13,8 - 14,0$	2,3–2,4
PK-12 + PK-13	1,7–1,8	$0,56 \times 0,84 - 0,53 \times 0,79$ $1,4 \times 2,1 - 1,3 \times 2,0$	$5,6 - 5,6$ $14,2 - 14,3$	2,5–2,7

Nikkor 28mm f/2, 28mm f/2.8, 28mm f/3.5

Extension Tube	Reproduction Ratio	Subject Area	Film-Plane-to-Subject Distance	Exposure Factor
—	$1/\infty - 1/7$	$\infty \times \infty - 6,6 \times 9,9$ $\infty \times \infty - 16,8 \times 25,2$	$\infty - 11,9$ $\infty - 30,1$	1–1,1
PK-11	$1/3,6 - 1/2,4$	$3,4 \times 5,1 - 2,2 \times 3,4$ $8,6 \times 12,9 - 5,7 \times 8,5$	$8,2 - 7,0$ $20,7 \times 17,7$	1,2–1,4
PK-12	$1/2,1 - 1/1,6$	$1,9 \times 2,9 - 1,5 \times 2,3$ $4,9 \times 7,4 - 3,8 \times 5,7$	$6,7 - 6,3$ $16,9 - 16,0$	1,5–1,6
PK-11 + PK-12	$1/1,3 - 1/1,1$	$1,2 \times 1,9 - 1,0 \times 1,6$ $3,1 \times 4,7 - 2,6 \times 4,0$	$6,1 - 6,1$ $15,6 - 15,4$	1,7–1,9
PK-13	1,0–1,1	$0,99 \times 1,5 - 0,86 \times 1,3$ $2,5 \times 3,8 - 2,2 \times 3,3$	$6,1 - 6,1$ $15,4 - 15,4$	2,0–2,1
PK-11 + PK-13	1,2–1,4	$0,76 \times 1,2 - 0,68 \times 1,0$ $1,9 \times 2,9 - 1,7 \times 2,6$	$6,1 - 6,2$ $15,5 - 15,7$	2,3–2,5
PK-12 + PK-13	1,5–1,6	$0,65 \times 0,98 - 0,59 \times 0,89$ $1,7 \times 2,5 - 1,5 \times 2,3$	$6,2 - 6,3$ $15,8 - 16,0$	2,6–2,8
PK-11 + PK-12 + PK-13	1,7–1,9	$0,55 \times 0,82 - 0,51 \times 0,76$ $1,4 \times 2,1 - 1,3 \times 1,9$	$6,4 - 6,5$ $16,3 - 16,5$	3,0–3,2



Nikkor 35mm f/1.4, 35mm f/2, 35mm f/2.8

Extension Tube	Reproduction Ratio	Subject Area	Film-Plane-to-Subject Distance	Exposure Factor
—	1/∞–1/5.5	∞×∞–5.2×7.9 ∞×∞–13.3×19.9	∞–11.8 ∞–29.9	1–1.3
PK-11	1/4.5–1/2.5	4.3×6.4–2.4×3.5 10.8×16.2–6.0×8.9	10.4–7.8 26.3×19.7	1.3–1.7
PK-12	1/2.6–1/1.8	2.4×3.6–1.7×2.5 6.2×9.3–4.2×6.3	7.9–7.0 20.0–17.7	1.6–2.0
PK-11 + PK-12	1/1.6–1/1.3	1.6×2.3–1.2×1.8 3.9×5.9–3.0×4.5	6.9–6.6 17.4–16.7	2.1–2.4
PK-13	1/1.3–1/1.1	1.2×1.9–1.0×1.5 3.1×4.7–2.5×3.8	6.6–6.5 16.8–16.5	2.4–2.8
PK-11 + PK-13	1.0–1.2	0.96×1.4–0.81×1.2 2.4×3.7–2.1×3.1	6.5–6.5 16.5–16.6	2.9–3.3
PK-12 + PK-13	1.2–1.3	0.82×1.2–0.71×1.1 2.1×3.1–1.8×2.7	6.5–6.6 16.6–16.8	3.3–3.8
PK-11 + PK-12 + PK-13	1.4–1.6	0.69×1.0–0.61×0.91 1.7×2.6–1.5×2.3	6.7–6.8 16.9–17.2	3.9–4.4

Micro-Nikkor 55mm f/2.8

Extension Tube	Reproduction Ratio	Subject Area	Film-Plane-to-Subject Distance	Exposure Factor
—	1/∞–1/1.9	∞×∞–1.8×2.7 ∞×∞–4.6×6.9	∞–8.8 ∞–25.0	1–1.1
PK-11	1/6.9–1.15	6.5×9.7–1.4×2.2 16.5×24.8–3.6×5.5	23.5–9.2 49.7–19.6	1.0–1.1
PK-12	1/3.9–1/1.3	3.1×4.7–1.2×1.9 9.4×14.1–3.7×5.6	13.4–9.0 34.1–22.9	1.0–1.2
PK-11 + PK-12	1/2.5–1/1.1	2.4×3.5–1.0×1.6 6.0×9.0–2.7×4.0	10.6–8.9 27.1–22.5	1.1–1.2
PK-13	1/2.0–1.0	1.9×2.8–0.94×1.4 4.8×7.2–2.4×3.6	9.8–8.8 24.9–22.5	1.1–1.2
PK-11 + PK-13	1/1.5–1.1	1.5×2.2–0.83×1.2 3.7×5.6–2.1×3.2	9.1–8.9 23.2–22.6	1.1–1.2
PK-12 + PK-13	1/1.3–1.2	1.3×1.9–0.76×1.1 3.2×4.8–1.9×2.9	8.9–9.0 22.5–22.7	1.2–1.3
PK-11 + PK-12 + PK-13	1/1.1–1.4	1.0×1.6–0.68×1.0 2.7×4.0–1.7×2.6	8.7–9.1 22.2–23.1	1.2–1.3

Nikkor 105mm f/2.5

Extension Tube	Reproduction Ratio	Subject Area	Film-Plane-to-Subject Distance	Exposure Factor
—	1/∞–1/8.3	∞×∞–7.9×11.9 ∞×∞–20.0×30.0	∞–42 ∞–107	1–1.3
PK-11	1/13.1–1/5.1	12.4×18.6–4.8×7.2 31.5×47.3–12.2×18.3	61.6–28.9 157×73.5	1.2–1.5
PK-12	1/7.5–1/3.9	7.1×10.6–3.7×5.6 18.0×27.0–9.5×14.2	38.6–24.2 98.1–62.0	1.3–1.6
PK-11 + PK-12	1/4.8–1/3.0	4.5×6.8–2.9×4.3 11.5×17.2–7.3×10.9	27.7–21.0 70.2–53.2	1.5–1.8
PK-13	1/3.8–1/2.6	3.6×5.4–2.5×3.7 9.2×13.7–6.3×9.4	23.9–19.5 60.8–49.4	1.6–2.0
PK-11 + PK-13	1/3.0–1/2.2	2.8×4.2–2.1×3.1 7.1×10.6–5.2×7.9	20.1–18.0 52.5–45.6	1.8–2.2
PK-12 + PK-13	1/2.5–1/1.9	2.4×3.6–1.8×2.8 6.1×9.1–4.7×7.0	19.1–17.2 48.6–43.7	2.0–2.4
PK-11 + PK-12 + PK-13	1/2.1–1/1.7	2.0×3.0–1.6×2.4 5.1×7.6–4.1×6.1	17.8–16.5 45.1–41.9	2.2–2.6

Nikkor 50mm f/1.2, 50mm f/1.4, 50mm f/1.8

Extension Tube	Reproduction Ratio	Subject Area	Film-Plane-to-Subject Distance	Exposure Factor
—	1/∞–1/6.7	∞×∞–6.3×9.5 ∞×∞–16.1×24.1	∞–17.7 ∞–44.9	1–1.3
PK-11	1/6.4–1/3.3	6.1×9.1–3.1×4.6 15.5×23.2–7.9×11.8	17.2–11.1 43.8×28.2	1.3–1.6
PK-12	1/3.7–1/2.4	3.5×5.2–2.3×3.4 8.8×13.3–5.7×8.6	11.8–9.5 30.0–24.0	1.5–1.9
PK-11 + PK-12	1/2.3–1/1.7	2.2×3.3–1.6×2.5 5.6×8.4–4.2×6.3	9.4–8.5 23.9–21.5	1.9–2.2
PK-13	1/1.9–1/1.5	1.8×2.7–1.4×2.1 4.5×6.8–3.5×5.3	8.7–8.1 22.0–20.7	2.1–2.5
PK-11 + PK-13	1/1.5–1/1.2	1.4×2.1–1.1×1.7 3.5×5.2–2.9×4.3	8.1–7.9 20.7–20.1	2.5–3.0
PK-12 + PK-13	1/1.2–1.0	1.2×1.8–0.99×1.5 3.0×4.5–2.5×3.8	7.9–7.9 20.2–19.9	2.9–3.3
PK-11 + PK-12 + PK-13	1.0–1.1	0.98×1.5–0.85×1.3 2.5×3.8–2.2×3.2	7.9–7.9 19.9–20.0	3.3–3.8

Nikkor 85mm f/2

Extension Tube	Reproduction Ratio	Subject Area	Film-Plane-to-Subject Distance	Exposure Factor
—	1/∞–1/8.1	∞×∞–7.6×11.4 ∞×∞–19.4×29.0	∞–33.5 ∞–85.0	1–1.3
PK-11	1/10.6–1/4.6	10.0×15.1–4.3×6.5 25.5×38.2–11.0×16.5	41.9–22.1 106–56.2	1.2–1.6
PK-12	1/6.1–1/3.5	5.7×8.6–3.3×4.9 14.6×21.9–8.3×12.5	26.9–18.6 68.4–47.3	1.4–1.8
PK-11 + PK-12	1/3.9–1/2.6	3.7×5.5–2.5×3.7 9.3×13.9–6.3×9.4	19.9–16.1 50.4–40.8	1.7–2.1
PK-13	1/3.1–1/2.2	2.9×4.4–2.1×3.2 7.4×11.1–5.4×8.0	17.5–15.0 44.4–38.2	1.9–2.3
PK-11 + PK-13	1/2.4–1/1.8	2.3×3.4–1.7×2.6 5.7×8.6–4.4×6.6	15.5–14.0 39.3–35.7	2.2–2.7
PK-12 + PK-13	1/2.0–1/1.6	1.9×2.9–1.5×2.3 4.9×7.4–3.9×5.9	14.5–13.6 36.9–34.5	2.5–2.9
PK-11 + PK-12 + PK-13	1/1.7–1/1.4	1.6×2.4–1.3×2.0 4.1×6.2–3.5×5.1	13.8–13.2 34.9–33.4	2.8–3.3

Micro-Nikkor 105mm f/2.8

Extension Tube	Reproduction Ratio	Subject Area	Film-Plane-to-Subject Distance	Exposure Factor
—	1/∞–1/2.0	∞×∞–1.9×2.8 ∞×∞–4.8×7.2	∞–18.6 ∞–47.1	1–2.2
PK-11	1/13.1–1/1.7	12.4×18.6–1.6×2.5 31.5×47.2–4.2×6.2	62.8–17.8 159–45.2	1.2–2.5
PK-12	1/7.5–1/1.6	7.1×10.6–1.5×2.2 18.0×27.0–3.8×5.7	28.8–17.0 101–44.1	1.3–2.7
PK-11 + PK-12	1/4.8–1/1.4	4.5×6.8–1.3×2.0 11.5×17.2–3.4×5.1	20.3–16.5 73.2–43.1	1.5–2.9
PK-13	1/3.8–1/1.3	3.6×5.4–1.2×1.9 9.2×13.7–3.2×4.7	25.1–16.8 63.7–42.7	1.6–3.1
PK-11 + PK-13	1/3.0–1/1.2	2.8×4.2–1.1×1.7 7.1×10.6–2.9×4.3	21.8–16.6 55.5–42.2	1.8–3.4
PK-12 + PK-13	1/2.5–1/1.1	2.4×3.6–1.1×1.6 6.1×9.1–2.7×4.0	20.3–16.5 51.6–42.0	1.9–3.6
PK-11 + PK-12 + PK-13	1/2.1–1.0	2.0×3.0–0.97×1.5 5.1×7.6–2.5×3.7	18.9–16.5 48.1–41.9	2.2–3.9



Nikkor 135mm f/2, 135mm f/2.8, 135mm f/3.5

Extension Tube	Reproduction Ratio	Subject Area	Film-Plane-to-Subject Distance	Exposure Factor
—	$1/\infty$ –1/7.5	$\infty \times \infty$ –7.1×10.6 $\infty \times \infty$ –18.0×27.0	∞ –51.3 ∞ –130	1–1.5
PK-11	1/16.9–1/5.2	15.9×23.9–4.9×7.4 40.5×60.7–12.5×18.7	101–39.3 256–99.8	1.2–1.7
PK-12	1/9.6–1/4.2	9.1×13.7–4.0×6.0 23.1×34.7–10.1×15.2	62.5–34.4 159–87.3	1.4–1.9
PK-11 + PK-12	1/6.1–1/3.4	5.8×8.7–3.2×4.8 14.7×22.1–8.1×12.2	44.2–30.2 112–76.7	1.6–2.2
PK-13	1/4.9–1/3.0	4.6×7.0–2.8×4.2 11.8×17.7–7.1×10.7	37.9–28.2 96.2–71.7	1.8–2.4
PK-11 + PK-13	1/3.8–1/2.5	3.6×5.4–2.4×3.6 9.1×13.7–6.1×9.1	32.3–26.2 82.0–66.6	2.0–2.7
PK-12 + PK-13	1/3.3–1/2.3	3.1×4.6–2.1×3.2 7.8×11.7–5.4×8.2	29.6–25.1 75.2–63.7	2.2–2.9
PK-11 + PK-12 + PK-13	1/2.7–1/2.0	2.6×3.9–1.9×2.8 6.5×9.8–4.8×7.2	27.1–24.0 68.9–60.9	2.3–3.2

Nikkor 200mm f/4

Extension Tube	Reproduction Ratio	Subject Area	Film-Plane-to-Subject Distance	Exposure Factor
—	$1/\infty$ –1/7.4	$\infty \times \infty$ –7.0×10.5 $\infty \times \infty$ –17.8×26.7	∞ –78.6 ∞ –200	1–1.7
PK-11	1/25.0–1/5.7	23.6×35.4–5.4×8.1 60.0×90.0–13.7×20.6	216–65.6 550×167	1.2–1.9
PK-12	1/14.3–1/4.9	13.5×20.2–4.6×6.9 34.3×51.4–11.7×7.6	132–59.2 336–150	1.3–2.1
PK-11 + PK-12	1/9.1–1/4.1	8.6×12.9–3.9×5.8 21.8×32.7–9.8×14.7	91.7–53.3 233–135	1.5–2.3
PK-13	1/7.3–1/3.7	6.9×10.3–3.5×5.2 17.5×26.2–8.8×13.2	77.6–50.3 197–128	1.7–2.5
PK-11 + PK-13	1/5.6–1/3.2	5.3×8.0–3.0×4.5 13.5×20.3–7.7×11.5	65.0–46.9 165–119	1.9–2.8
PK-12 + PK-13	1/4.8–1/2.9	4.6×6.8–2.8×4.1 11.6×17.3–7.0×10.5	58.8–44.9 149–114	2.1–3.0
PK-11 + PK-12 + PK-13	1/4.0–1/2.6	3.8×5.7–2.5×3.7 9.7×14.5–6.3×9.4	53.0–42.8 135–109	2.3–3.3

Nikkor ED 300mm f/4.5, Nikkor 300mm f/4.5

Extension Tube	Reproduction Ratio	Subject Area	Film-Plane-to-Subject Distance	Exposure Factor
—	$1/\infty$ –1/10.3	$\infty \times \infty$ –9.8×14.7 $\infty \times \infty$ –24.8×37.2	∞ –156 ∞ –396	1–1.5
PK-11	1/37.5–1/8.1	35.4×53.2–7.7×11.5 90.0×135–19.5×29.2	476–130 1210–330	1.1–1.7
PK-12	1/21.4–1/7.0	20.3×30.4–6.6×9.9 51.4×77.1–16.7×25.1	286–117 727–297	1.2–1.8
PK-11 + PK-12	1/13.6–1/5.9	12.9×19.3–5.6×8.3 32.7×49.1–14.1×21.2	195–104 494–265	1.4–2.0
PK-13	1/10.9–1/5.3	10.3×15.5–5.0×7.5 26.2×39.3–12.7×19.1	163–97.7 413–248	1.5–2.1
PK-11 + PK-13	1/8.5–1/4.7	8.0×12.0–4.4×6.6 20.3×30.4–11.2×16.7	134–90.2 340–229	1.7–2.3
PK-12 + PK-13	1/7.2–1/4.3	6.8×10.3–4.0×6.0 17.3×26.0–10.2×15.3	120–85.8 304–218	1.8–2.5
PK-11 + PK-12 + PK-13	1/6.1–1/3.8	5.7×8.6–3.6×5.4 14.5×21.8–9.2×13.8	106–80.9 270–206	2.0–2.7

Nikkor 180mm f/2.8 ED

Extension Tube	Reproduction Ratio	Subject Area	Film-Plane-to-Subject Distance	Exposure Factor
—	$1/\infty$ –1/8.2	$\infty \times \infty$ –7.8×11.7 $\infty \times \infty$ –19.7×29.6	∞ –72.1 ∞ –183	1–1.4
PK-11	1/22.5–1/6.0	21.3×31.9–5.7×8.5 54.0×81.0–14.4×21.7	173–56.9 439×144	1.1–1.6
PK-12	1/12.9–1/5.0	12.2×18.2–4.7×7.1 30.9×46.3–12.0×18.1	105–50.0 266–127	1.3–1.7
PK-11 + PK-12	1/8.2–1/4.1	7.7×11.6–3.9×5.8 19.6×29.5–9.8×14.8	71.9–43.8 183–111	1.4–1.9
PK-13	1/6.5–1/3.6	6.2×9.3–3.4×5.2 15.7×23.6–8.7×13.1	60.5–40.8 154–104	1.6–2.1
PK-11 + PK-13	1/5.1–1/3.1	4.8×7.2–3.0×4.4 12.2×18.3–7.5×11.3	50.3–37.5 128–95.2	1.7–2.3
PK-12 + PK-13	1/4.3–1/2.8	4.1×6.2–2.7×4.0 10.4×15.6–6.8×10.2	45.4–35.6 115–90.5	1.9–2.5
PK-11 + PK-12 + PK-13	1/3.6–1/2.5	3.4×5.2–2.4×3.6 8.7×13.1–6.1×9.1	40.7–33.7 103–85.6	2.1–2.7

Micro-Nikkor 200mm f/4 IF

Extension Tube	Reproduction Ratio	Subject Area	Film-Plane-to-Subject Distance	Exposure Factor
—	$1/\infty$ –1/2.0	$\infty \times \infty$ –1.9×2.8 $\infty \times \infty$ –4.8×7.2	∞ –28.0 ∞ –71.1	1–7.6
PK-11	1/25.0–1/1.8	23.6×35.4–1.7×2.6 60.0×90.0–4.3×6.5	212–27.2 538–69.0	1.1–8.6
PK-12	1/14.3–1/1.7	13.5×20.2–1.6×2.4 34.3×51.4–4.0×6.1	128–26.7 325–67.8	1.3–9.5
PK-11 + PK-12	1/9.1–1/1.5	8.6×12.9–1.5×2.2 21.8×32.7–3.7×5.6	87.2–26.2 222–66.5	1.4–10.6
PK-13	1/7.3–1/1.5	6.9×10.3–1.4×2.1 17.5×26.2–3.5×5.3	73.1–25.9 186–65.8	1.5–11.5
PK-11 + PK-13	1/5.6–1/1.4	5.3×8.0–1.3×1.9 13.5×20.3–3.3×4.9	60.5–25.6 154–65.1	1.7–12.8
PK-12 + PK-13	1/4.8–1/1.3	4.6×6.8–1.2×1.8 11.6×17.3–3.1×4.6	54.5–25.4 138–65.6	1.8–13.8
PK-11 + PK-12 + PK-13	1/4.0–1/1.2	3.8×5.7–1.1×1.7 9.7×14.5–2.9×4.3	48.5×25.3 123×64.2	2.0–15.2



AP-2
Panorama Head



AR-3
Cable Release



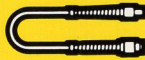
AR-8
Cable Release Adapter



AR-2
Cable Release



Pistol Grip
Model II



AR-6
Cable Release
for Pistol Grip



AR-9
Soft Shutter Release



DB-2
Anti Cold Battery Pack



MB-3
AA Battery Holder



Miscellaneous Lens
Filter



AF-1/2
Gelatine Filter Holder



Miscellaneous Lens
Hoods



Miscellaneous Lens
Caps/Covers



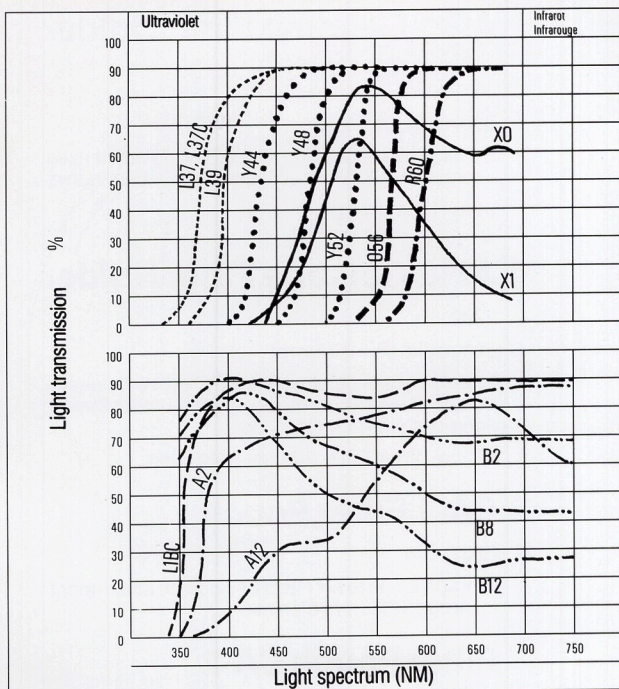
LF-1
Rear Lens Cap



Filter Selector Chart

Film	Filter Typ		Description	Filter Factor		Product number (indicated in boxes below)									
				Daylight	Artificial light	Threaded mounting									
	Skylight		L18C	1		2238		2402	2371	2413				2366	
	Ultraviolet		L37	1			2403								
			L37C	1		2237		2399	2372	2415	2494	2440	2441		
			L39	1							2450				
	Yellow	Light	Y44	1,5	1			2295							
		Medium	Y48	1,7	1,2	2248		2229	2373	2270	2284	2280		2367	
		Dark	Y52	2	1,4	2251		2296							
	Orange		O56	3,5	2	2253		2231	2374	2274	2274	2281		2363	
	Red		R60	6	5	2259		2249	2375	2273	2286	2282		2368	
	Green	Light	X0	2	1,7			2297							
		Dark	X1	5	3,5			2230							
		Polarizing		Polar	2-4	2-4			2250	2376	2300				
Neutral		ND4	4		2258		2243		2410						
		ND8	8		2319		2244								
		ND400	400				2409								
	Amber	Light	A2	1,2		2239		2266	2430	2416				2364	
		Dark	A12	2		2256		2264	2431						
	Blau Bleu	Light	B2	1,2		2240		2235	2432	2417				2365	
		Medium	B8	1,6		2241		2267							
		Dark	B12	2,2		2242		2268	2433						
	Ft. Focus No. 1							2407	2434	2418					
	Ft. Focus No.2							2408	2435	2419					
Filter Diameter						39 mm	46 mm	52 mm	62 mm	72 mm	95 mm	122 mm	160 mm		

Filter Size	
39 mm	500/8, 1000/11, 300/2.8 IF-ED, 400/3.5 IF-ED, 600/4.0 IF-ED, 600/5.6 IF-ED, 800/8 IF-ED, 1200/11 IF-ED
46 mm	zu L35AF
52 mm	20/3.5, 24/2.0, 24/2.8, 28/2.0, 28/2.8, 28/3.5, 35/1.4, 35/2.0, 35/2.8, 50/1.2, 50/1.4, 50/1.8, 85/2.0, 105/2.5, 135/2.8, 135/3.5, 200/4.0, 300/2.8 IF-ED, 400/2.8 IF-ED, 35-70/3.3-4.5, 35-105/3.5, spez. Objektive: Micro Nikkor 55/2.8, 105/2.8, 105/4.0, 200/4.0, Noct 55/1.2, PC 35/2.8, Serie E: 28/2.8 E, 35/2.5 E, 50/1.8 E, 100/2.8 E, 135/2.8 E, 36-72/3.5 E, 75-150/3.5 E, Autofocus: AF 80/2.8
62 mm	20/2.8, 105/1.8, 35-70/3.5, 35-135/3.5-4.5, 50-135/3.5, 80-200/4.0, 100-300/5.6, Serie E: 70-210/4.0, Autofocus: AF 200/3.5 IF-ED
72 mm	PC 28/3.5, 18/3.5, 135/2.0, 180/2.8 ED, 300/4.5, 300/4.5 IF-ED, 400/5.6 IF-ED, Zoom 25-50/4.0
95 mm	Zoom 50-300/4.5 ED, 80-200/2.8 ED, 180-600/8.0 ED
122 mm	200/2.0 IF-ED, 300/2.8 IF-ED, 400/3.5 IF-ED, 600/5.6 IF-ED, 800/8.0 IF-ED, 1200/11 IF-ED, 200-400/4.0 ED
160 mm	600/4.0 IF-ED
Bayonet	13/5.6, 15/3.5, 16/2.8

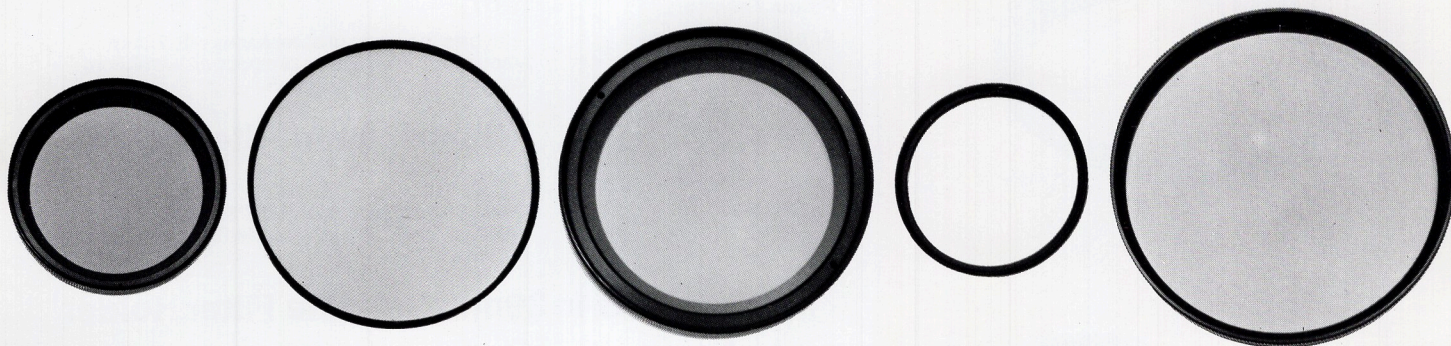


Filters for Black-and-White Film

The spectral sensitivity of black-and-white films differs from that of the human eye. For example, these films are much more sensitive to blue and to the invisible ultraviolet range. It is for this reason that blue sky appears light in a black-and-white print. On the other hand, yellow shades are reproduced darker than we normally perceive them. This helps to explain why many black-and-white photographs shot without filtration are lacking in contrast.

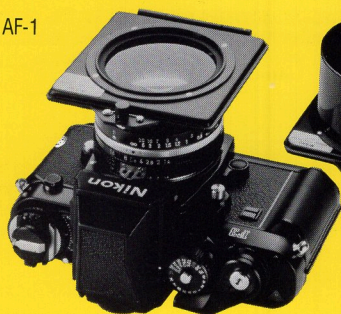
Filters for Color Film

Nikon filters for color film allow the photographer to balance and/or correct the available lighting to meet the needs of the film in use; color imbalance occurs whenever the color temperature of the light does not correspond to the film sensitization. Daylight film, for example, is calibrated for correct color reproduction with illumination having a color temperature of 5500°K; this corresponds to sunlight illumination in clear weather at about midday. If the ambient illumination differs from this, deviations in color reproduction will occur. Such deviations can be substantially compensated by using Nikon filters.





AF-1



AF-2



CA-1



UR-1



39mm Filter Holder



52mm Filter Holder

AF-1 Gelatine Filter Holder

Product number:

2278

Mounting thread:

52mm dia. (P = 0.75mm)

Application:

Enables use of gelatine filters (3"x3") with lenses equipped with 52mm accessory mounting thread

Optional accessory:

Lens Hood HN-12

AF-2 Gelatine Filter Holder

Product number:

2279

Mounting thread:

72mm dia. (P = 0.75mm)

Application:

Enables use of gelatine filters (4"x4") with lenses equipped with 72mm accessory mounting thread; equipped with accessory hood

Optional accessories:

62mm-72mm Filter Adapter Ring UR-1

CA-1 Filter Pouch

Product number:

2307

Application:

Storage for up to six filters or close up attachment lenses of 52/62mm diameter

Filter Pouch CA-2

Product number:

2305

Application:

Storage for up to six filters of 39mm diameter

UR-1 62-72mm Filter Adapter Ring

Product number:

2377

Application:

Enables mounting of accessories with 72mm mounting thread to lenses equipped with 62mm accessory mounting thread

Slip-in 39mm Filter Holder

Product number:

2220

Application:

Provides filter mount for 300/2.8, 400/3.5, 600/4, 600/5.6 ED-IF Lenses; threaded to accept 39mm screw-in filters

Slip-in 39mm Gelatine Filter Holder

Product number:

2443

Application:

Provides mount for using gelatine filters with 300/2.8, 400/3.5, 600/4, 600/5.6 ED-IF lenses

Slip-in 52mm Filter Holder

Product number:

2445

Application:

Provides filter mount for 300/2, 400/2.8, 800/5.6 ED-IF lenses; threaded to accept 52mm screw-in filters

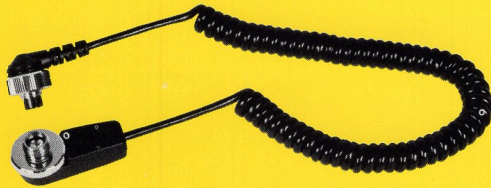
Slip-in 52mm Gelatine Filter Holder

Product number:

2446

Application:

Provides mount for using gelatine filters with 300/2, 400/2.8, 800/5.6 ED-IF lenses



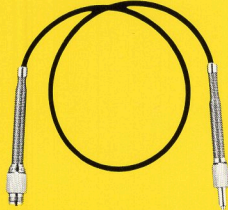
MC-3A Coiled Cord for Pistol Grip

Product number:

4582

Application:

Provides for triggering of motor drive equipped camera from Pistol Grip Model II; Usable with MD -1/2/3/4/12/15 and N2000/N2020 cameras



AR-6 Cable Release for Pistol Grip

Product number:

667

Application:

Provides for triggering of camera from Pistol Grip Model II; fitted with ISO-type tapered thread for connection to F3/FA/FE2/FM2/FG/FG-20/EM cameras

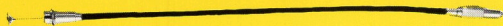


Product number:

660

Application:

Provides for vibration-free triggering of shutter release button; fitted with Nikon-type thread connection for operation with F/F2/FE/FM



AR-3 Cable Release

Product number:

664

Application:

Provides for vibration-free triggering of shutter release button; fitted with ISO-type tapered thread for connection to F3/FA/FE2/FM2/FG/FG-20/EM cameras



AR-8 Cable Release Adapter

Product number:

669

Application:

Adapts cable release connectors fitted with the Nikon-type mount for operation with cameras having ISO-type tapered thread; for use with AR-2/4 release



AR-9 Soft Shutter Release

Product number:

4417

Application:

Soft shutter release for mounting on shutter buttons fitted with ISO-type tapered thread; for operation with F3/FA/FE2/FM2/FG/FG-20/EM cameras



DK-5 Eyepiece Shield

Product number:

2380

Application:

Provides eyepiece shielding for unmanned photography with N4004/N2020/N2000



52mm Snap-on Front Lens Cap

Product number: 581

62mm Snap-on Front Lens Cap

Product number: 600

72mm Snap-on Front Lens Cap

Product number: 601

DB-2 Anti-Cold Battery Pack

3062

Product number:

Application:

Provides cold-weather protection for camera batteries; for use with F3/FA/FE2/FM4/FG/FG-20/FM cameras

BF-1A Camera Body Cap

612

Product number:

Front Lens Cap for 15mm f/3.5 (repl.)

Product number: 584

Front Lens Cap for 16mm f/2.8 (repl.)

Product number: 597

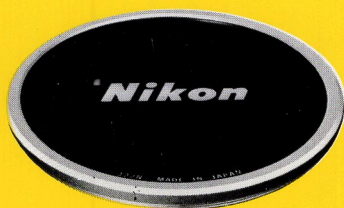
MB-3 AA Battery Holder

4570

Product number:

Application:

Enables use of AA-type batteries with N2020/N2000 camera for extended service life with one set of batteries; operates as substitute for AAA Battery Holder MB-4 supplied with these cameras



Product number:

95mm Screw-on Front Lens Cap

626



Product number:

88mm Front Lens Cap for 500mm f/8 (repl.)

620



Product number:

122mm Screw-on Front Lens Cap

621



Product number:

Front Lens Cover for 300mm f/2.8 (repl.)

570



Product number:

LF-1 Rear Lens Cap

607

Product number:

BF-2 Front Mount Cap (repl.)

598

Application:

Protects the front optical elements of TC-2/300/301 teleconverters

Product number:

F-to-C Lens Mounting Adapter

2360

Application:

Adapts Nikon F-bayonet mount lenses for use on video or cine cameras fitted with C-type threaded mount



AP-2 Panorama head

Product number:

2028

Application:

Provides for panoramic shooting with 28mm to 105mm lenses; fitted with built-in bubble level for precise tripod setup

Lens Scope Converter

Product number:

1399

Optical construction:

5 elements in 3 groups

Eyepiece focal length:

10mm

Total magnification when used as telescope:

1/10x the focal length of the prime lens; for example, a 200mm telephoto lens provides magnification of 20x, while a 70-210mm zoom lens provides a magnification is 7x-21x

Total magnification when used as a magnifier:

25x the magnification of the prime lens or macro attachment (e.g., bellows) used; for a 55mm Micro-Nikkor lens with 1/2x magnification, the resulting loupe magnification is 12.5x

Exit pupil:

2.5mm

Eyepoint:

11mm from the eyepiece

Eyepiece adjustment:

-5 to ± 3 diopter

Eyecup:

Folding rubber eyecup provided

Dimensions:

65.4mm dia. x 56mm

Weight:

200g (7 oz.)

ES-1 Slide Copying Adapter

Product number:

3213

Application:

Enables side copying with 55mm Micro-Nikkor lens and PK-13 Extension Tube

Dimensions:

72mm dia. x 80mm

Weight:

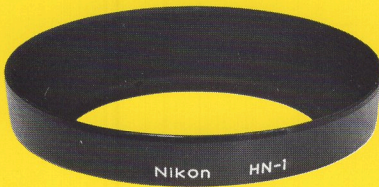
150g (5.4 oz.)



Len Hoods



HR 1



Lens	Lens Hood/Product Number
13mm f/5.6	Built-in
15mm f/3.5	Built-in
18mm f/3.5	HK-9 (P/N 563)
20mm f/2.8	HK-14 (P/N 559)
24mm f/2	HK-2 (P/N 551)
24mm f/2.8 + AF	HN-1 (P/N 508)
28mm f/2	HN-1 (P/N 508)
28mm f/2.8 + AF	HN-2 (P/N 509)
35mm f/1.4	HN-3 (P/N 510)
35mm f/2	HN-3 (P/N 510)
50mm f/1.2	HR-2 (P/N 538)
	HS-12 (P/N 547)
50mm f/1.4	HR-1 (P/N 537)
	HS-9 (P/N 543)
50mm f/1.4 AF	HR-2 (P/N 538)
50mm f/1.8 AF	HR-4 (P/N 548)
80mm f/2.8 AF	HR-2 (P/N 538)
85mm f/1.4	HS-7 (P/N 541)
85mm f/2	HN-20 (P/N 562)
105mm f/1.8	HK-10 (P/N 545)
105mm f/2.5	Built-in
135mm f/2	Built-in
135mm f/2.8	Built-in
180mm f/2.8	Built-in
200mm f/2N	Built-in + HE-4 Extension (P/N 6A)
200mm f/3.5 AF-ED-IF	Built-in
200mm f/4	Built-in
300mm f/2 ED-IF	Built-in + HE-1 Extension (P/N 605)
300mm f/2.8 ED-IF + AF	Built-in HE-4 + Extension (P/N 614)
300mm f/4.5	Built-in
400mm f/2.8 ED-IF	Built-in + HE-3 Extension
400mm f/3.5 ED-IF	Built-in
400mm f/5.6 ED-IF	Built-in
600mm f/4 ED-IF	Built-in + HE-5 Extension
600mm f/5.6 ED-IF	Built-in + HE-4 Extension (P/N 614)
800mm f/5.6 ED-IF	Built-in + HE-3 Extension
500mm f/8	HN-27 (P/N 558)
1000mm f/11	Built-in
2000mm f/11	Built-in
28-85mm f/3.5-4.5	HK-16 (P/N 4601)
28-85mm f/3.5-4.5 AF	HB-1 (P/N 4602)
35-70mm f/3.5-4.5	HN-22 (P/N 566)
35-70mm f/3.3-4.5 + AF	HN-2 (P/N 509)
35-105mm f/3.5	HK-11 (P/N 553)
35-105mm f/3.5-4.5 AF	HB-2 (P/N 4603)
35-135mm f/3.5-4.5	HN-22 (P/N 566)
35-135mm f/3.5-4.5 AF	HB-1 (P/N 4602)
35-200mm f/3.5-4.5	HK-15 (P/N 4600)
70-210mm f/4 AF	HN-24 (P/N 567)
100-300mm f/5.6	HN-24 (P/N 567)
80-200mm f/4	HN-23 (P/N 565)
50-300mm f/4.5 ED	HK-5 (P/N 554)
200-400mm f/4 ED	Built-in + HE-2 Extension (P/N 606)
6mm f/2.8	Built-in
8mm f/2.8	Built-in
16mm f/2.8	Built-in
28mm f/3.5 PC	HN-9 (P/N 523)
35mm f/2.8 PC	HN-1 (P/N 508)
58mm f/1.2 Noct	HR-2 (P/N 538)
	HS-7 (P/N 541)
55mm f/2.8 Micro	HN-3 (P/N 510)
105mm f/2.8 Micro	HS-14 (P/N 555)
200mm f/4.0 Micro	Built-in
52mm Polar Filter	HN-12 (P/N 518)
62mm Polar Filter	HN-26 (P/N 568)
72mm Polar Filter	HN-13 (P/N 539)
Gelatine Filter Holder AF-1	HN-12 (P/N 518)

Lens	Metal Snap-on Mount/Product Number
58/1.2 Noct	HS-7 (P/N 541)
50/1.4	HS-9 (P/N 543)
85/2.0	HS-10 (P/N 545)
50/1.2	HS-12 (P/N 547)
105/2.8 Micro	HS-14 (P/N 555)

Lens	Rubber Screw Mount/Product Number
50/1.4, 50/1.8	HR-1 (P/N 537)
50/1.2, 58/1.2 Noct	HR-2 (P/N 538)
50/1.4 AF	
50/1.8 E, 50/1.8N	HR-4 (P/N 548)
28/2.8 E	HR-6 (P/N 550)

Lens	Metal Screw Mount/Product Number
24/2.8, 28/2	HN-1 (P/N 508)
35/2.8 PC, 24/2.8 AF	
28/2.8, 28/2.8 AF	HN-2 (P/N 509)
35-70/3.3-4.5 + AF	
35/1.4, 35/2, 35/2.8	HN-3 (P/N 510)
55/2.8 Micro	
28/3.5 PC	HN-9 (P/N 523)
52mm Polar Filter	HN-12 (P/N 518)
72mm Polar Filter	HN-13 (P/N 539)
85/1.4	HN-20 (P/N 562)
35-70/3.5	HN-22 (P/N 566)
35-135/3.5-4.5	
80-200/4	HN-23 (P/N 565)
70-210/4	HN-24 (P/N 567)
100-300/5.6	
62mm Polar Filter	HN-26 (P/N 568)
500/8N	HN-27 (P/N 558)

Lens	Metal Slip-on Mount (Product Number)
24/2	HK-2 (P/N 551)
50-300/4.5 ED	HK-5 (P/N 554)
18/3.5	HK-9 (P/N 563)
50-135/3.5	HK-10 (P/N 544)
35-105/3.5-4.5	HK-11 (P/N 553)
28-50/3.5	HK-12 (P/N 556)
20/2.8	HK-14 (P/N 559)
35-200/3.5-4.5	HK-15 (P/N 4600)
28-85/3.5-4.5	HK-16 (P/N 4601)

Lens	Metal Bayonet Mount/Product Number
28-85/3.5-4.5 AF	HB-1 (P/N 4602)
35-135/3.5-4.5 AF	
35-105/3.5-4.5 AF	HB-2 (P/N 4603)

Lens	Extension/Product Number
300/2 ED-IF	HE-1 (P/N 605)
200-400/4 ED	HE-2 (P/N 606)
200/2N ED-IF	HE-4 (P/N 614)
300/2.8N ED-IF	
600/5.6N ED-IF	



Neck Straps



AN-10
Neck Straps



AN-11
Neck Straps



AN-16
Neck Straps



AN-1
Neck Straps



AN-4B
Neck Straps



AN-4Y
Neck Straps



AN-6Y
Neck Straps



AN-6W
Neck Straps



AN-8
Neck Straps



AN-9
Neck Straps



N2000
Neck Straps



(not pictured)



Product number:
Width:
Color:
Material:

Leather Neck Strap AN-1

635
10mm/25mm
Black
Leather with removeable rubber neck pad

Product number:
Width:
Color:
Material:

N2000 Nylon Neck Strap

683
12mm/30mm
Black with embroidered "N2000"
Woven nylon fabric with non-slip pad

Product number:
Width:
Color:
Material:

Nylon Neck Strap AN-4B

639
12mm/25mm
Black
Woven nylon fabric with non-slip pad

Product number:
Width:
Color:
Material:

Nylon Neck Strap AN-4Y

638
12mm/25mm
Yellow with black stripes
Woven nylon fabric with non-slip pad

Product number:
Width:
Color:
Material:

Nylon Wide Neck Strap AN-6Y

4507
12mm/50mm
Yellow with black stripes and embroidered "Nikon"
Woven nylon fabric with non-slip pad

Product number:
Width:
Color:
Material:

Nylon Wide Neck Strap AN-6W

4508
12mm/50mm
Wine with yellow stripes and embroidered "Nikon"
Woven nylon fabric with non-slip pad

Product name:
Width:
Color:
Material:

Nylon Wide Neck Strap AN-8 for Action-Touch (replacement)

648
10mm/25mm
Grey with embroidered "Nikon"
Woven nylon fabric with non-slip pad



Neck Strap for One-Touch, Action-Touch, Tele-Touch

Product number:

647

Width:

7mm

Color:

Black

Material:

Woven nylon fabric





Nikon F3



CF-22



CF-21



CF-21A



CS-15

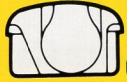


CF-23D



CF-22H

Nikon FA



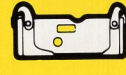
CF-30



CF-31



CF-28A



CF-30D

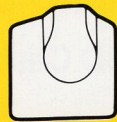


CF-30H

Nikon FE2 · FM2



CF-27/28



CF-29



CF-28A



CS-16



CF-27D



CF-27H

Nikon N2000/N2020



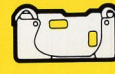
CF-35



CF-36



CF-36 A



CF-35 D

Nikon FG-20



CF-32



CF-33

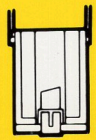


CF-18A



CF-32H

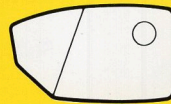
General Cases



CB-



CS-7, 8, 9, 10



CS-13



CF-34
Utility Case



Lens/Camera Cases

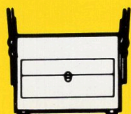


Pouch Cases

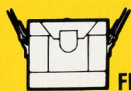


Hard Lens
Cases

Compartment Cases



FB-8



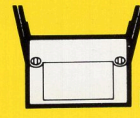
FB-16



FB-15



FB-11A



FB-17



FB-14



CF-22



CF-21



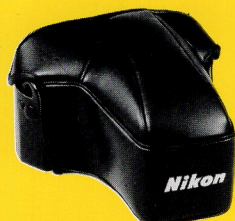
CF-21A



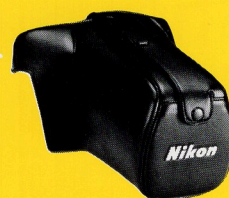
CF-23D



CF-24



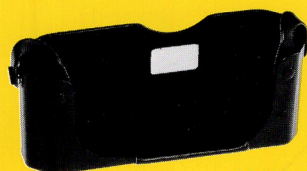
CF-31



CF-28A



CF-30D



CF-30H

CF-21 Eveready Camera Case

Product number:

4409

Storage for:

Camera with most lenses from wideangle to short telephoto, plus 35-70/3.3-4.5 zoom lens

Finish:

Wine leather with brown nylon fabric neck strap

CF-21A Front Flap for Eveready Case

Product number:

4410

Storage for:

Camera with lens as big as 25-50/4 or 35-135/3.5-4.5 zoom lens; for use with CF-20/21/22/23D/24 case base sections

Finish:

Wine leather

CF-22 Eveready Camera Case

Product number:

4422

Storage for:

Camera with most lenses from wideangle to 85/2 telephoto

Finish:

Wine leather with brown nylon fabric neck strap

CF-23D Case Base for Data Back

Product number:

4538

Storage for:

Camera with Data Back MF-14; for use with CF-20/21/21A/22/24 case front flaps

Finish:

Wine leather

CF-24 Eveready Camera Case

Product number:

4424

Storage for:

Nikon F3AF with 80mm autofocus lens

Finish:

Wine leather with brown nylon fabric neck strap

CF-30 Eveready Camera Case

Product name:

4436

Storage for:

Camera with normal lens

Finish:

Black leatherette with black Nylon Fabric Neck Strap AN-7

CF-30D Case Base for Data Back

Product number:

4439

Storage for:

Camera with Data Back MF-16; for use with CF-30/31 case front flaps

Finish:

Black leatherette

CF-31 Eveready Camera Case

Product number:

4438

Storage for:

Camera with most lenses from wideangle to short telephoto, plus 35-70/3.3-4.5 zoom lens

Finish:

Black leatherette with black Nylon Fabric Neck Strap AN-7

CF-28A Front Flap for Eveready Case

Product number:

4431

Storage for:

Camera with lens as big as 25-50/4 or 35-135/3.5-4.5 zoom lens; for use with CF-30/30D/31 case base sections

Finish:

Black leatherette



CF-27



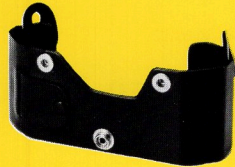
CF-28



CF-29



CF-28A



CF-27D



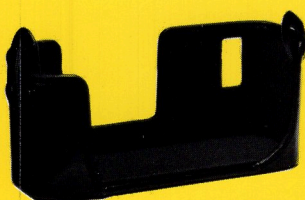
CF-35



CF-36



CF-36A



CF-35D

CF-27 Eveready Camera Case

Product number:

4427

Storage for:

Camera with normal lens

Finish:

Black leatherette with black Nylon Fabric Neck Strap AN-7

CF-27D Case Base for Data Back

Product number:

4430

Storage for:

Camera with Data Back MF-16; for use with CF-27/28/28A case front flaps

Finish:

Black leatherette

CF-28 Eveready Camera Case

Product number:

4428

Storage for:

Camera with most lenses from wideangle to short telephoto, plus 35-70/3.3-4.5 zoom lens

Finish:

Black leatherette with black Nylon Fabric Neck Strap AN-7

CF-28A Front Flap for Eveready Case

Product number:

4431

Storage for:

Camera with lens as big as 25-50/4 or 35-135/3.5-4.5 zoom lens; for use with CF-27/27D/28 case base sections

Finish:

Black leatherette

CF-29 Eveready Camera Case

Product number:

4429

Storage for:

Camera with Motor Drive MD-12 and most lenses from wide angle to short telephoto, plus 28-85/3.5-4.5 zoom lens

Finish:

Black leatherette with black Nylon Fabric Neck Strap AN-7

CF-35 Eveready Camera Case

Product number:

4429

Storage for:

Camera with most lenses from wideangle to short telephoto, plus 35-70/3.3-4.5 zoom lens

Finish:

Black leatherette with black Nylon Fabric Neck Strap AN-7

CF-35D Case Base for Data Back

Product name:

4578

Storage for:

Camera with Multi Data Back MF-19; for use with CF-35/36/36A case front flaps

Finish:

Black leatherette

CF-36 Eveready Camera Case

Product number:

4577

Storage for:

Camera with most lenses from wideangle to medium telephoto, plus 35-105/3.5-4.5 zoom lens

Finish:

Black leatherette with black Nylon Fabric Neck Strap AN-7

CF-36A Front Flap for Eveready Case

Product number:

4579

Storage for:

Camera with lens as big as 35-135/3.5-4.5 zoom lens; for use with CF-35/36 case base sections

Finish:

Black leatherette



CF-32



CF-33



CF-32H



CF-32 Eveready Camera Case

Product number:

4432

Storage for:

Camera with normal lens

Finish:

Black leatherette with black Nylon Fabric Neck Strap AN-7

CF-33 Eveready Camera Case

Product number:

4433

Storage for:

Camera with most lenses from wideangle to short telephoto, plus 35-70/3.3-4.5 zoom lens

Finish:

Black leatherette with black Nylon Fabric Neck Strap AN-7

Camera Pouch Case for Tele-Touch Deluxe/ One-Touch/Fun-Touch

Product number:

690

Finish:

Black leatherette

Camera Pouch Case with Strap for Action-Touch

Product number:

691

Finish:

Black leatherette

CS-L35TW Semi-Soft Case for Tele-Touch

Product number:

4572

Finish:

Black leatherette



CS-7



CS-8



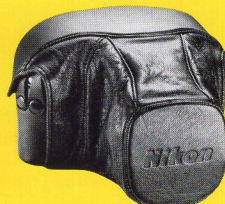
CS-9



CS-10



CS-15



CS-16



CS-13



CS-34

Product number:**Storage for:****Finish:****Product name:****Storage for:****Finish:****Product number:****Storage for:****Finish:****Product number:****Storage for:****Finish:****Product number:****Storage for:****Finish:****Product number:****Storage for:****Finish:****Product number:****Storage for:****Finish:****Product number:****Storage for:****Finish:****Dimensions:**

CS-7 Camera/Lens Pouch Case

422

Camera (except F3-Series) with normal lens

Black leatherette, one-piece construction; case must be removed completely before shooting

CS-8 Camera/Lens Pouch Case

425

Camera (except F3AF) with normal lens

Black leatherette, one-piece construction, case must be removed completely before shooting

CS-9 Camera/Lens Pouch Case

426

Camera (except F3AF) with lens as big as 35-135/3.5-4.5 zoom lens

Black leatherette, one-piece construction; case must be removed completely before shooting

CF-10 Camera/Lens Pouch Case

427

Camera (except F3AF) with lens as big as 80-200/4 zoom lens

Black leatherette, one-piece construction; case must be removed completely before shooting

CS-15 Camera/Lens Pouch Case

4414

F3-series cameras (except F3AF) with normal lens

Black leather, two-piece (flap and base) construction

CS-16 Camera/Lens Pouch Case

4415

FE/FM-series cameras with normal lens

Black leather, two-piece (flap and base) construction

CS-13 Camera Blimp Case

4484

Camera with motor drive and any lens mounted; case dampens camera and motor noise during shooting

Black leatherette

CF-34 Camera/Lens Utility Case

4434

Camera with lens as big as 100-300/5.6 zoom lens
Black leatherette in semi-rigid construction; belt or shoulder use possible

320mm(L) x 180mm(W) x 130mm(D)



Product number:

Storage for:

Finish:

Weight:

Dimensions:

Compartment Case FB-8

496

One camera body with normal lens, one camera body without lens, and three bayonet mounts for one telephoto lens up to 300mm and two addition lenses up to 85mm; pocket for incidentals

Black leatherette

2 kg (4 lbs. 6 oz.)

280mm(W) x 210mm(H) x 150mm(D)
(11" x 8.3" x 5.9")

Compartment Case FB-11A

500

Large quantity of cameras, lenses, and accessories; lower level storage area provided, supplied with Filter Case CA-1

Brown leather

3.2 kg (7 lbs.)

355mm(W) x 255mm(H) x 200(D)
(14" x 10" x 7.9")

Compartment Case FB-14

503

One camera body with normal lens and two additional lenses, one up to 300mm; supplied with interior dividers

Black leather

0.9 kg (2 lbs.)

280mm(W) x 230mm(H) x 110mm(D)
(11" x 9.1" x 4.3")

Compartment Case FB-15

477

One camera body with motor and lens up to 135mm, one camera body with lens up 135mm, and several addition lenses (or accessories); lower level storage area provide; supplied with pouch for bulky items

Brown leather

2.1 kg (4 lbs. 10 oz.)

305mm(W) x 210mm(H) x 175mm(D)
(12" x 8.3" x 6.9")

FB-16 Compartment Case

492

One camera body with motor and normal lens, one additional lens to 200mm, and one speedlight

Brown leatherette with adjustable strap

0.9 kg (2 lbs.)

190mm(W) x 175mm(H) x 150mm(D)
(7.5" x 6.9" x 5.9")

FB-17 Compartment Case

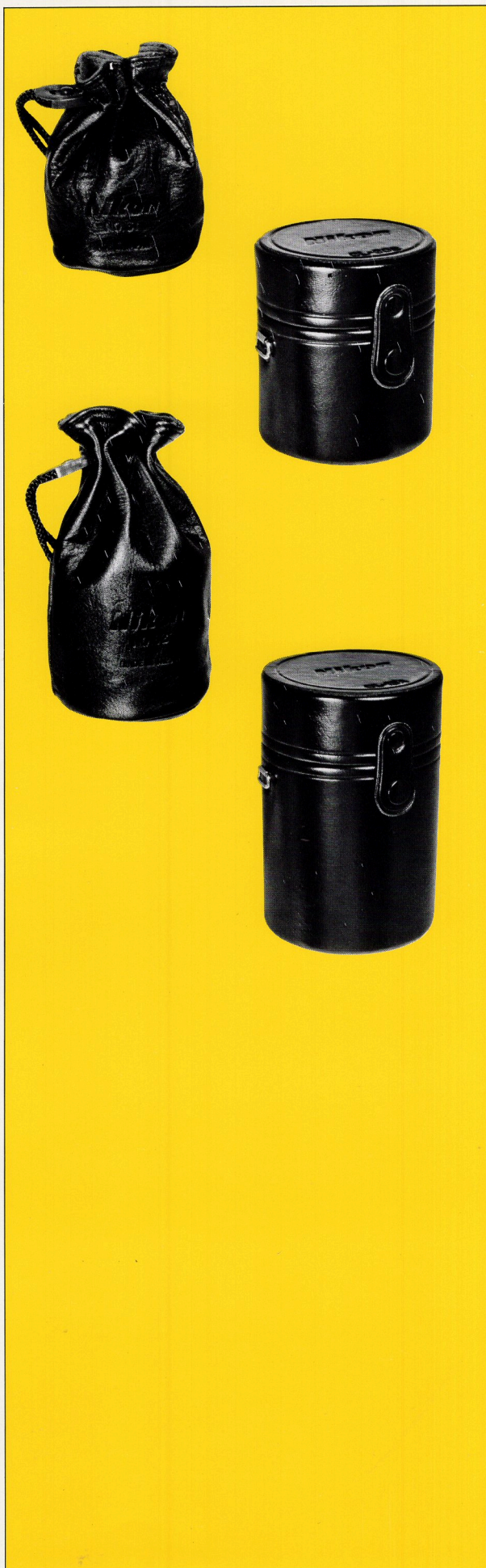
4498

One camera body with normal lens, two additional lenses up to 135mm and one compact speedlight; supplied with interior dividers

Dark brown leatherette with adjustable strap

0.9 kg (2 lbs.)

280mm(W) x 155mm(H) x 110mm(D)
(11" x 6.1" x 4.3")



Lens	Hard Lens Case (Product Number)	Soft Leather Pouch Case (Product Number)
15mm f/3.5	CL-17 (P/N 485) (Supplied)	
18mm f/3.5	CL-37 (P/N 4470) (Supplied)	
20mm f/2.8	CL-30S (P/N 4501)	#61 (P/N 4301)
24mm f/2	CL-31S (P/N 4502)	#61 (P/N 4301)
24mm f/2.8 + AF	CL-30S (P/N 4501)	#61 (P/N 4301)
28mm f/2	CL-31S (P/N 4502)	#61 (P/N 4301)
28mm f/2.8 + AF	CL-30S (P/N 4501)	#61 (P/N 4301)
35mm f/1.4	CL-31S (P/N 4502)	#61 (P/N 4301)
35mm f/2	CL-31S (P/N 4502)	#61 (P/N 4301)
35mm f/2.8	CL-30S (P/N 4501)	#61 (P/N 4301)
50mm f/1.2	CL-31S (P/N 4502)	#61 (P/N 4301)
50mm f/1.4 + AF	CL-30S (P/N 4501)	#61 (P/N 4301)
50mm f/1.8 + AF	CL-30S (P/N 4501)	#61 (P/N 4301)
80mm f/2.8AF	CL-32S (P/N 4503)	#62 (P/N 4302)
85mm f/1.4	CL-34A (P/N 4474)	#62 (P/N 4302)
85mm f/2	CL-31S (P/N 4502)	#61 (P/N 4301)
105mm f/1.8	CL-15S (P/N 4453)	#62 (P/N 4302)
105mm f/2.5	CL-32S (P/N 4503)	#62 (P/N 4302)
135mm f/2	CL-15S (P/N 4453)	#62 (P/N 4302)
135mm f/2.8	CL-32S (P/N 4503)	#62 (P/N 4302)
135mm f/3.5	CL-32S (P/N 4503)	#62 (P/N 4302)
180mm f/2.8 ED + AF	CL-38 (P/N 4471)	#63 (P/N 4303)
200mm f/3.5AF ED-IF	CL-35A (P/N 4479)	#63 (P/N 4303)
200mm f/4	CL-13 (P/N 448)	#63 (P/N 4303)
300mm f/2 ED-IF	CT-300 (P/N 4420)	
300mm f/2.8N ED-IF	CT-302 (P/N 4306)	
300mm f/4.5 + ED-IF	CL-20A (P/N 441)	
400mm f/2.8 ED-IF	CT-400 (P/N 4440)	
400mm f/3.5 ED-IF	CL-61A (P/N 4472)	#57 (P/N 396)
400mm f/5.6 ED-IF	CL-27A (P/N 4458)	
500mm f/8	CL-39 (P/N 4476)	
1000mm f/11	CL-29 (P/N 475)	
2000mm f/11	Trunk Case (P/N 454)	
28-85mm		
f/3.5-4.5 + AF	CL-33S (P/N 4504)	#62 (P/N 4302)
35-70mm f/3.5	CL-33S (P/N 4504)	#62 (P/N 4302)
35-70mm		
f/3.3-4.5	CL-31S (P/N 4502)	#61 (P/N 4301)
35-70mm		
f/3.3-4.5 AF	CL-32S (P/N 4503)	#62 (P/N 4302)
35-105mm		
f/3.5-4.5 + AF	CL-33S (P/N 4504)	#62 (P/N 4302)
35-135mm		
f/3.5-4.5 + AF	CL-41 (P/N 4460)	#62 (P/N 4302)
35-200mm f/3.5-4.5	CL-13A (P/N 486)	#63 (P/N 4303)
70-210mm f/4 AF	CL-35A (P/N 4479)	#63 (P/N 4303)
80-200mm f/4	CL-35A (P/N 4479)	#63 (P/N 4303)
50-300mm f/4.5 ED	CL-64 (P/N 4527)	#57 (P/N 396)
100-300mm f/5.6	CL-40 (P/N 4478)	
200-400mm f/4 ED		#58 (P/N 4303)
8mm f/2.8	CL-11 (P/N 439) (Supplied)	
16mm f/2.8	CL-30S (P/N 4501) (Supplied)	#61 (P/N 4301)
28mm f/3.5 PC	CL-34A (P/N 4474) (Supplied)	#61 (P/N 4301)
35mm f/2.8 PC	CL-34A (P/N 4474) (Supplied)	#61 (P/N 4301)
58mm f/1.2 Noct	CL-31S (P/N 4502)	#61 (P/N 4301)
55mm f/2.8 Micro	CL-31S (P/N 4502)	#61 (P/N 4301)
55mm Micro w/PK-13	CL-33S (P/N 4504)	
55mm f/2.8 AF Micro	CL-32S (P/N 4503)	#62 (P/N 4302)
105mm f/2.8 Micro	CL-33S (P/N 4504)	#62 (P/N 4302)
105mm Micro w/PN-11	CL-35A (P/N 4479)	
200mm f/4 Micro	CL-36 (P/N 4480)	
TC-14A	CL-30S (P/N 4501)	#61 (P/N 4301)
TC-14B	CL-30S (P/N 4501)	#61 (P/N 4301)
TC-16 AF		#61 (P/N 4301)
TC-16A AF		#61 (P/N 4301)
TC-201	CL-30S (P/N 4501)	#61 (P/N 4301)
TC-301	CL-33S (P/N 4504)	#62 (P/N 4302)