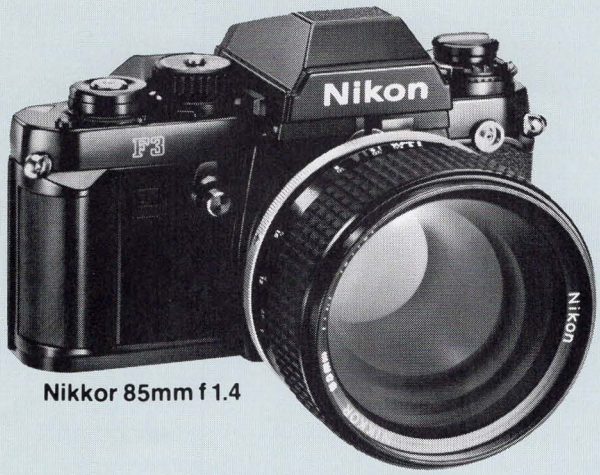
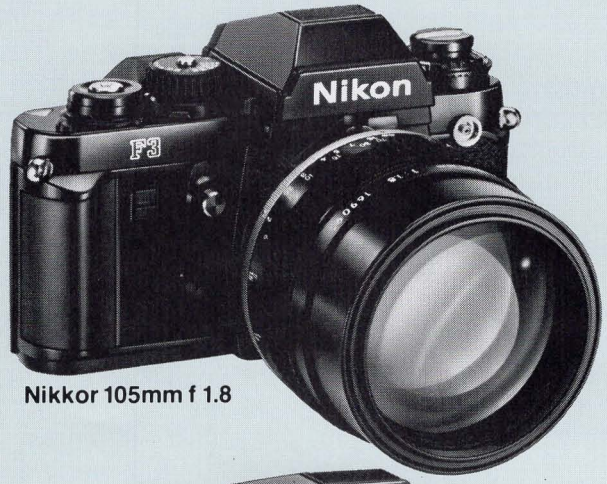
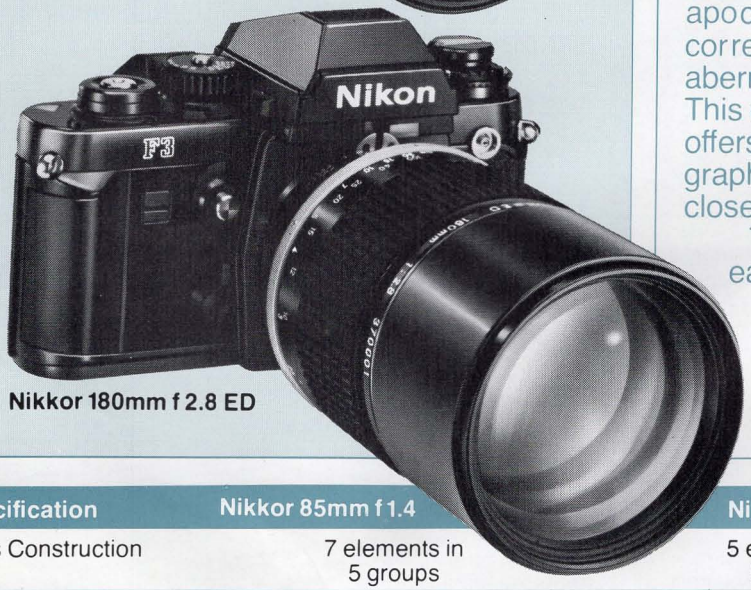
New Nikon High-Speed Tele Lenses



Nikkor 85mm f 1.4



Nikkor 105mm f 1.8



Nikkor 180mm f 2.8 ED

Nikon mproves low light shooting capabilities with the ntroduction of three new fast, telephoto lenses The Nikkor 85mm f1.4 and 105mm f1 8 lenses offer a brighter viewfinder mage for easier more accurate focusing in low light. The 180mm f2.8 ED lens combines a fast maximum aperture with near apochromatic performance Wide open these lenses permit shooting at higher shutter speeds, for sharper mages. They're ideal for photographing indoor sports theater and other dimly-lit events such as concerts

The Nikkor 85mm f1.4 is Nikon's fastest telephoto, slightly longer and a ful stop faster than the compact 85mm f2 The exceptionally short barrel complements the 72mm filter thread diameter Great for portraits it focuses to 3 ft. And it's the first telephoto from N kon to feature "floating-element" construction This close-range correction allows for higher definition edge-to-edge from nfinity, down to its closest focusing distance

The fastest 100-105mm tele available—Nikon's 105mm f1.8 is a compact design 3.5 n long and accepts the new series of 62mm filters. Fine craftsmanship and modern technology assure superb image quality, synonomous with the current Nikkor 105mm f2.5 telephoto

The Nikon ED (Extra Low Dispersion) glass n the 180mm f2.8 ED lens exhibits near apochromatic performance resulting n superior correction of image-degrading chromatic aberrations, for optimum resolution and contrast. This classic high-speed telephoto focal length offers greater "reach" for tightly-cropped photographs from a comfortable shooting distance as close as 6 ft.

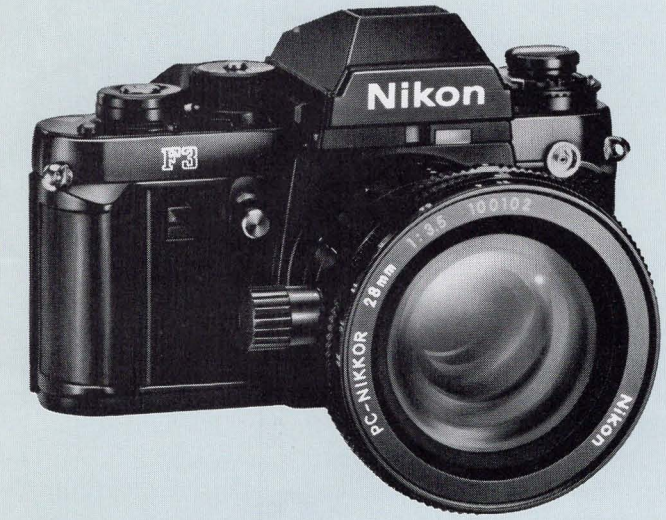
This high-speed trio from Nikon is slated for early summer delivery.

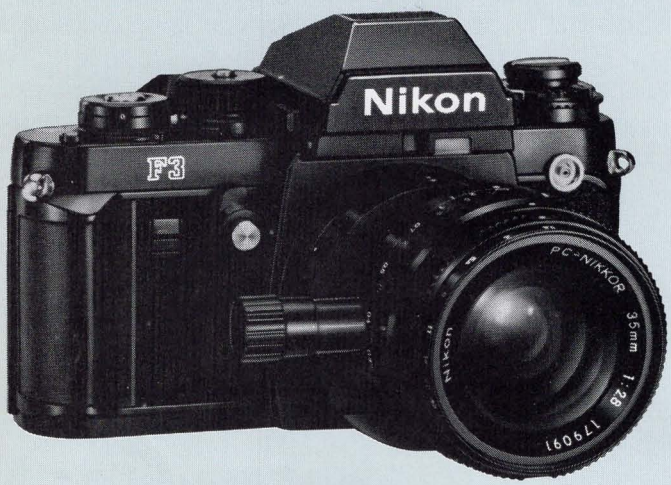
Specification	Nikkor 85mm f 1.4	Nikkor 105mm f 1.8	Nikkor 180mm f 2.8 ED
Lens Construction	7 elements in 5 groups	5 elements in 5 groups	5 elements in 5 groups
Picture Angle	28°30′	23°20′	13°40′
Minimum Focus Distance	0.85m (3 ft.)	1m (3.3 ft.)	1.8m (6 ft.)
Aperture Range	f1.4-f 16	f1.8-f 22	f 2.8-f 32
Diaphragm	Fully automatic		
Filter Size	72mm	62mm	72mm
Dimensions (Diam.xLength)	80.5x72.5mm (3.2x2.8″)	78.5x88.5mm (3.1x3.5″)	78.5x138mm (3.1x5.4″)
Weight	605g (21.3 oz.)	580g (20.4 oz.)	830g (29.3 oz.)
Product No.	1150	1157	1164

Note: Specifications subject to change without notice.
April, 1981

Nikon Inc.

New Nikon Perspective Control Lenses





The 28mm f3.5 and 35mm f2.8 PC-Nikkor lenses give architectural and nterior photographers shooting flexibility once only possible with view cameras. Shifting these lenses off-axis up to 11mm effectively corrects perspective distortions caused by shooting up at tal buildings The lens optics rotate 360° for adjustment n any direction with click-stops every 30° With wider covering power than regular 28mm or 35mm wide angle lenses the PC-Nikkors maintain excellent overal mage quality even when shifted to their limits

The PC-Nikkor 28mm f3.5 is faster yet lighter than earlier versions. In commercial and industrial use or for multi-media audio-visual presentations, the lens can be used to produce perfectly matched two-shot panoramas. The wide 92° covering power combined with its exceptional correction for coma, practically eliminates light falloff for even illumination and ultimate distortion correction across the field

The PC-Nikkor 35mm f2.8 has a fast maximum aperture for brighter focusing and an f32 minimum lens opening for greater depth-of-field control Total covering power of 78° assures uniform performance and continuously high resolution throughout the entire picture area.

Both PC-Nikkor lenses are more compact than their predecessors available n a new, all black professional finish and feature heavier duty controls.

Specification	PC-Nikkor 28mm f3.5	PC-Nikkor 35mm f2.8
Lens Construction	9 elements in 8 groups	7 elements in 7 groups
Picture Angle	74°	62°
Covering Power	92°	78°
Minimum Focus Distance	0.3m (1 ft.)	0.3m (1 ft.)
Aperture Range	f3.5-f22	f 2.8-f 32
Diaphragm	Manual preset type	
Lens Shift	Special mount enables up to 11mm off-axis for perspective control; shift adjustments via milled knob at side of lens; scale provided with graduations in 1mm intervals.	
Lens Rotation	Lens optics rotate 360° for perspective control in any direction; click-stops at each 30° of rotation; maximum permissible shift values engraved at each click-stop position.	
Filter Size	72mm	52mm
Dimensions (Diam.xLength)	78x69mm (3.7x2.7")	62x66mm (2.4x2.6")
Weight	380g (13.4 oz.)	320g (11.3 oz.)
Product No.	1024	1025

Note: Specifications subject to change without notice.
April, 1981

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