

Unique attachments for Nikon F produce large photos with Polaroid and regular film

SPEED MAGNY

$3\frac{1}{4} \times 4\frac{1}{4} \cdot 4 \times 5$



The ability to use a Nikon F for "instant" large-format photography, in color and black-and-white, adds an exciting dimension to the entire Nikon F system. It means even greater versatility for commercial, industrial and scientific applications, as well as for news and sports coverage.

Attaching a Speed Magny transforms the Nikon F into a compact large-format slr that retains such facilities as prism eyelevel viewing and focusing, automatic-return mirror, automatic-reopen diaphragm, thru-the-lens metering, and the use of Nikkor optics.

There are 3 Speed Magny attachments. Model 100 accepts Polaroid® $3\frac{3}{4} \times 4\frac{1}{4}$ film packs. Model 45 accepts standard 4×5 holders for Polaroid as well as regular sheet film. Model 'RF' uses Polaroid $3\frac{3}{4} \times 4\frac{1}{4}$ roll film.

Speed Magny attachments were originally intended for use with 200mm and longer lenses to avoid vignetting. However, excellent results have been obtained with shorter lenses, too, including the Fisheye Nikkor.

The Speed Magny embodies an optical system which increases the effective focal length of the camera lens 3.2 times with the Models 100 and 'RF', and 4.1 times with the Model 45. Even when used for long-range telephotography, the Magny-equipped Nikon F is far smaller and lighter than many conventional large-format cameras.

Speed Magny

Optical System

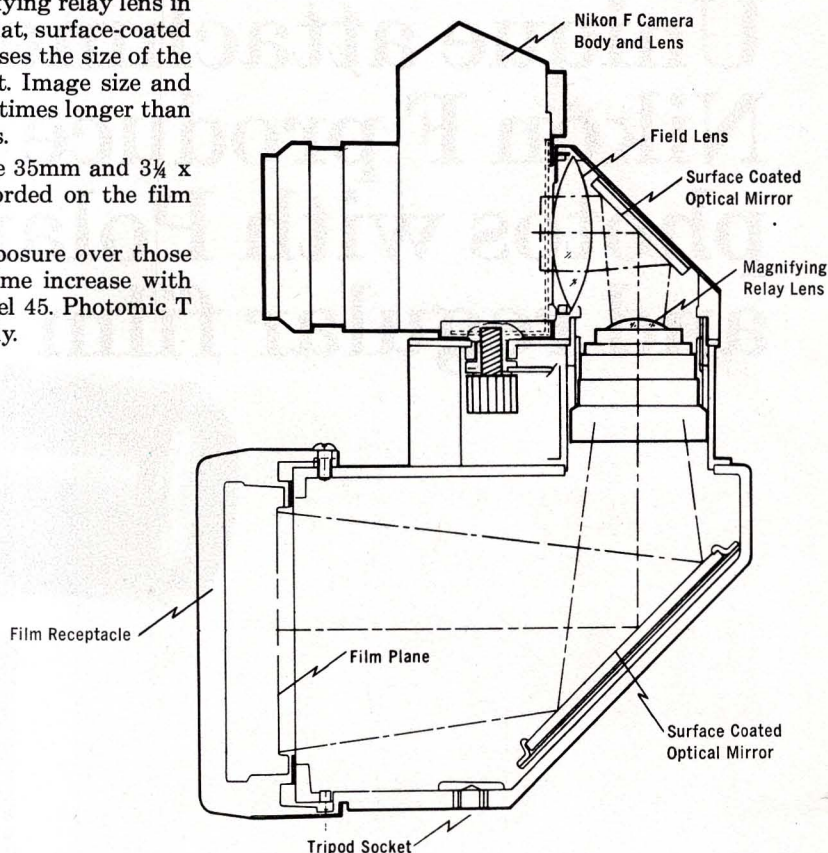
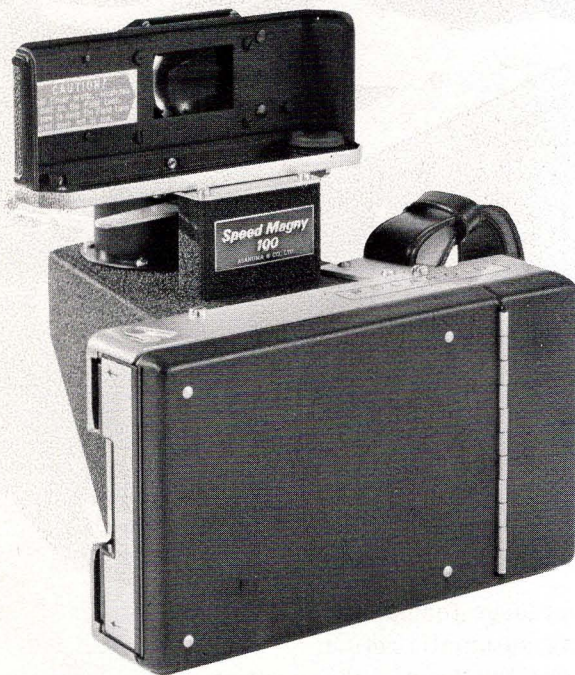
The Speed Magny optical system comprises a magnifying relay lens in combination with a coated field lens and 2 optically flat, surface-coated mirrors. With Models 100 and 'RF', the system increases the size of the picture 3.2 times to fill the $3\frac{3}{4} \times 4\frac{1}{4}$ Polaroid format. Image size and picture angle are the same as if taken with a lens 3.2 times longer than the one used. With Model 45, the increase is 4.1 times.

Because of the difference in proportions between the 35mm and $3\frac{3}{4} \times 4\frac{1}{4}$ formats, slightly less picture length is recorded on the film than is shown in the Nikon F finder.

Use of Speed Magny units requires increases in exposure over those normally indicated by the emulsion speed: an 18-time increase with Models 100 and 'RF', and 20-time increase with Model 45. Photomic T TN and FTN systems can be programmed accordingly.

Film Holders

Speed Magny 100 has a built-in holder for Polaroid $3\frac{3}{4} \times 4\frac{1}{4}$ film packs. Speed Magny 45 accepts standard holders for 4 x 5 Polaroid and regular sheet film. Speed Magny 'RF' accepts Polaroid $3\frac{3}{4} \times 4\frac{1}{4}$ roll film.



Lens Chart

Lens on Nikon F	Effective focal length	
	Model 45	Model 100 and 'RF'
105mm f4	431mm	336mm
105mm f2.5	431mm	336mm
135mm f3.5	554mm	432mm
200mm f4	820mm	640mm
300mm f4.5	1230mm	960mm
400mm f4.5	1640mm	1280mm
600mm f5.6	2460mm	1920mm
800mm f8	3280mm	2560mm
1200mm f11	4920mm	3840mm
Zoom 85mm—250mm f4	349mm—1025mm	272mm—800mm
Zoom 50mm—300mm f4.5	205mm—1230mm	160mm—960mm
Zoom 200mm—600mm f9.5	820mm—2460mm	640mm—1920mm
Medical Nikkor 200mm f5.6	0.27X—12.3X	0.21X—9.6X

Note: Lenses other than those listed may be used. In each case the effective focal length is increased proportionately. With some lenses shorter than 200mm, there is the possibility of slight vignetting and image degradation around the edges of the print.

Technical Data

	Speed Magny 100	Speed Magny 'RF'	Speed Magny 45
Film format	$3\frac{3}{4} \times 4\frac{1}{4}$	$3\frac{3}{4} \times 4\frac{1}{4}$	4 x 5
Magnification	3.2x	3.2x	4.1x
Exposure increase factor	18	18	20
Effective rating of ASA 3000 film	ASA 170	ASA 170	ASA 150
Film holder	built in	built-in	extra
Dimensions:			
Depth	6.69"	7"	7.48"
Width	7.48"	12½"	8.66"
Height (to top of Standard Prism Finder)	9.65"	10"	9.84"
Weight (less camera)	4 lbs. 3 oz.	4 lbs. 12oz.	4 lbs. 3 oz.