

Nikon F3 Focusing Screens

Twenty-one different focusing screens are available for Nikon F3-series cameras to match exactly any focal length lens or picture-taking situation. Type K comes with the camera as standard equipment. To take out the focusing screen, first remove the

finder, then insert your fingernail under the rear edge of the screen and lift it out. To install another screen, simply insert the front edge (the edge with the slot in the middle) under the pin and push the rear edge of the screen down into place. To determine which screen is best suited for which lens, refer to the lens-screen combination chart appearing on the other side of this sheet.

Caution: Each focusing screen consists of a glass condenser lens on top and an acrylic resin focusing plate on the bottom. Because the image is focused on the acrylic resin plate, you should avoid scratching or getting dirt or fingerprints on this side of the screen.



Type A: Matte/Fresnel field with 3mm fine-ground matte focusing spot and 12mm reference circle. Excellent for general photography.



Type B: Matte/Fresnel field with 3mm fine-ground matte focusing spot and 12mm reference circle. Good for general photography, especially with long lenses.



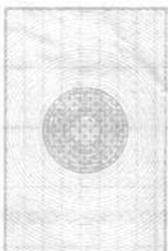
Type C: Fine-ground matte field with 4mm clear spot and cross hair. For photomicrography, astrophotography and other high-magnification applications, using parallax focusing on aerial images.



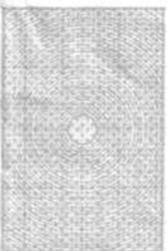
Type D: Overall fine-ground matte field. For specialized close-up photography and for use with long lenses.



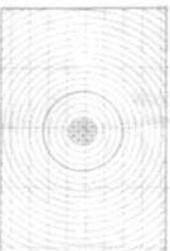
Type E: Matte/Fresnel field with 3mm fine-ground matte spot, 12mm reference circle, and etched horizontal and vertical lines. Ideal for architectural photography.



Type G: Clear Fresnel field with extra-bright 12mm microprism focusing spot for viewing and focusing in poor light. Four models (G1-G4) are available corresponding to specific focal length lenses. Depth of field cannot be observed.



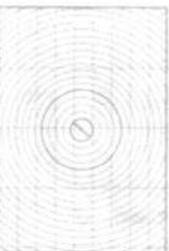
Type H: Clear Fresnel field with microprism focusing pattern over the entire screen area. Permits rapid focusing on any part of the screen with optimum edge-to-edge brightness in poor light. Available in four models (H1-H4) corresponding to particular focal length lenses.



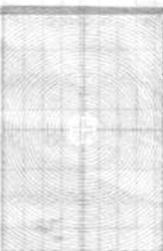
Type J: Matte/Fresnel field with central microprism focusing spot and 12mm reference circle. Good for general photography.



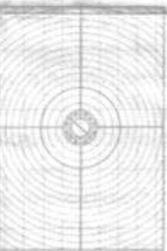
Type K: Combination of Type A and J screens. Matte/Fresnel field with 3mm split-image rangefinder spot surrounded by 1mm-wide microprism doughnut. Rapid and accurate focusing for subjects with both straight lines and ill-defined contours. Suitable for general photography.



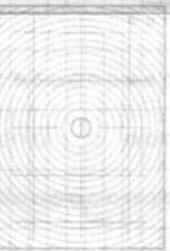
Type L: Same as Type A screen but with split-image rangefinder line at a 45° angle. Best for subjects with horizontal lines.



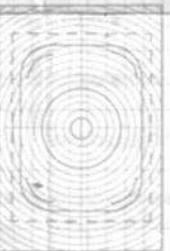
Type M: Fine-ground Fresnel field with 5mm clear spot and double cross hair for use in parallax focusing on aerial image, plus millimeter scales for calculation of individual magnification of objects or for measuring objects. Brilliant image in dim light. Suitable for close-ups, photomicrography and other high-magnification applications.



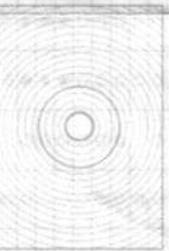
Type P: Same as Type K but with split-image rangefinder line at a 45° angle and etched horizontal and vertical lines as an aid to composition. Rapid and accurate focusing for subject with horizontal or vertical lines or ill-defined contours. Suitable for general photography.



Type R: Same as Type A but with rangefinder prisms of sloping surfaces at a smaller angle and horizontal and vertical lines to aid proper composition. Works best with lenses having maximum apertures from f/3.5 to f/5.6.



Type T: Matte/Fresnel field with split-image rangefinder, 12mm reference circle, and horizontal and vertical lines. Used when preparing slides for TV broadcasts. Dotted lines indicate standard TV screen format. Solid outline shows "safe action" area, whereas broken lines indicate "safe title" area.



Type U: Matte/Fresnel field with 3mm fine-ground matte focusing spot and 12mm reference circle. Utilizes the same matte field as Type B, but with lenses longer than 100mm the image in the viewfinder is easier to see. With shorter focal-length lenses, this screen is not suitable because of light fall-off in the corner.

Focusing Screen Selector Chart

The chart at the left has been prepared to assist you in choosing the right screen for the lens in use.

- ⊙ = Excellent
 - = Acceptable
- The image is brilliant from edge to edge but the central rangefinder, microprism or cross-hair area is dim. Focus on the surrounding matte area.

○ = Acceptable

Slight vignetting or moire phenomenon (in the case of the microprism) affects the screen image. But the image on film shows no traces of this.

△ = Acceptable

Incompatible with any lens having a maximum aperture larger than f/2.8 since this decreases the efficiency and accuracy of the screen rangefinder: the in-focus image in the central spot may prove to be slightly out of focus on film. Focus on the surrounding matte area.

Blank means not usable.

Notes:

- 1) Since the type M screen is used for the macrophotography at a 1:1 magnification ratio as well photomicrography, its application is different from the other screens.
- 2) The viewfinder image may appear slightly different to the individual photographer and/or according to the picture-taking situation.

Lens	Screen	A/L/T	K/P	B/E	U	J	R	C	D	G1	G2	G3	G4	H1	H2	H3	H4	M
Fisheye	6mm f/2.8	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	8mm f/2.8	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	18mm f/2.8	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	13mm f/5.6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	15mm f/3.5	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	18mm f/3.5	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Wideangle	20mm f/2.8	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	24mm f/2.8	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	28mm f/2.8	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	28mm f/2.8	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Normal	35mm f/2.8	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	50mm f/1.2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	50mm f/1.4	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	50mm f/1.8	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Telephoto	85mm f/1.4	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	105mm f/1.8	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	135mm f/2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	135mm f/2.8	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Super-telephoto	180mm f/2.8 ED	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	200mm f/2.8 ED*	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	300mm f/2.8 ED*	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	400mm f/2.8 ED*	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Zoom	400mm f/5.6 IF-ED*	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	600mm f/5.6 IF-ED*	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	800mm f/8 IF-ED*	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	1200mm f/11 IF-ED*	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
AF	28-85mm f/3.5	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	28-85mm f/3.5-4.5	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	35-70mm f/3.3-4.5	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	35-70mm f/3.5	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
PC	35-105mm f/3.5-4.5	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	35-135mm f/3.5-4.5	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	35-200mm f/3.5-4.5	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	50-300mm f/4.5 ED	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Medical	80-200mm f/4	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	100-300mm f/5.6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	180-600mm f/8 ED	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	280-400mm f/4 ED	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Reflex	200mm f/2.8	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	500mm f/8	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	1000mm f/11	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	2000mm f/11	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Series E	70-210mm f/4	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	135mm f/2.8	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

*Internal focusing type (IF)