

Nikon SLR to Nikkor Lens Compatibility Guide

Some 35mm cameras are missing from the chart.
Pre-Ai lenses will not mount on the following camera bodies:

Nikomats FT3, Nikomat EL, F3, FE, FE-2, FM, FM-2,
FM-2N, FG, EM, N2000, N2020, N4004, N5005, N6006

35mm SLR	MANUAL FOCUS			AUTOFOCUS						
	Pre-AI	AI,AIS,E	AI-P	F3AF	AF	AF-D	AF-I,AF-S	G	VR	DX
N/F50	NO!	MF ⁴	MF	NO!	AF	AF	MF ³	AF	AF ⁵	vg
N/F55	NO!	MF ⁴	MF	NO!	AF	AF	AF	AF	AF ⁵	vg
N/F60	NO!	MF ⁴	MF	NO!	AF	AF	MF ³	AF	AF ⁵	vg
N/F65	NO!	MF ⁴	MF	NO!	AF	AF	AF	AF	VR	vg
N/F70	NO!	MF ^{1,2}	MF	MF ^{1,2}	AF	AF	AF	AF ⁶	AF ⁵	vg
N/F75	NO!	MF ⁴	MF	NO!	AF	AF	AF	AF	VR	vg
N/F80	NO!	MF ⁴	MF	NO!	AF	AF	AF	AF	VR	vg
N90s/F90x	NO!	MF ^{1,2}	MF	MF ^{1,2}	AF	AF	AF	AF ⁶	AF ⁵	vg
F100	NO!	MF ^{1,2}	MF	NO!	AF	AF	AF	AF	VR	vg
FM2n	NO!	MF	MF	MF	MF	MF ³	MF	NO	MF ⁵	vg
FM3A	NO!	MF	MF	MF	MF	MF ³	MF ³	NO	MF ^{3,5}	vg
F3	MF ⁷	MF ¹	MF	MF	MF	MF ³	MF ³	NO	MF ^{3,5}	vg
N8008s/F801s	NO!	MF ^{1,2,3}	MF	MF ^{1,2}	AF	AF ³	AF ³	AF ⁶	AF ^{3,5}	vg
F4	MF ^{1, 2,7}	MF ¹	MF	AF ¹	AF	AF ³	AF ³	AF	AF ^{3,5}	vg
F5	NO!	MF ^{1,2}	MF	MF ^{1,2}	AF ³	AF	AF	AF	VR	vg
F6	MF ^{1,7,8}	MF ¹	MF	NO!	AF ^{2,3}	AF	AF	AF	VR	vg

	MANUAL FOCUS			AUTOFOCUS						
D-SLR	Pre-AI	AI, AIS, E	AI-P	F3AF	AF	AF-D	AF-I, AF-S	G	VR	DX
D1	NO!	MF ^{1,2}	MF	NO	AF ³	AF	AF	AF	VR	DX
D1H/D1X	NO!	MF ^{1,2}	MF ²	NO	AF ³	AF	AF	AF	VR	DX
D2H	NO!	MF ¹	MF ²	NO	AF ^{2,3}	AF	AF	AF	VR	DX
D2X	NO!	MF ¹	MF ²	NO	AF ^{2,3}	AF	AF	AF	VR	DX
D3	NO!	MF ¹	MF ²	NO	AF ^{2,3}	AF ²	AF	AF ²	VR	DX ^{v9}
D4S	NO!	MF ¹	MF ²	NO	AF ^{2,3}	AF	AF	AF	VR	DX ^{v9}
D5	NO!	MF ¹	MF ²	NO	AF ^{2,3}	AF	AF	AF	VR	DX
D100	NO!	MF ⁴	MF	NO	AF ³	AF	AF	AF	VR	DX
D200	NO!	MF ¹	MF	NO	AF ³	AF	AF	AF	VR	DX
D300	NO!	MF ¹	MF ²	NO	AF ³	AF	AF	AF	VR	DX
D700	NO!	MF ¹	MF ²	NO	AF ^{2,3}	AF	AF	AF	VR	DX ^{v9}
D750	NO!	MF ¹	MF ²	NO	AF ^{2,3}	AF	AF	AF	VR	DX
D800	NO!	MF ¹	MF ²	NO	AF ^{2,3}	AF	AF	AF	VR	DX ^{v9}
D810	NO!	MF ¹	MF ²	NO	AF ^{2,3}	AF	AF	AF	VR	DX ^{v9}
D600/D6100	NO!	MF ¹	MF ²	NO	AF ^{2,3}	AF	AF	AF	VR	DX ^{v9}
D500	NO!	MF ¹	MF ²	NO	AF ^{2,3}	AF	AF	AF	VR	DX ^{v9}
Df	MF ^{1,2}	MF	MF	NO	AF	AF	AF	AF	VR	DX ^{v9}
D70	NO!	MF ⁴	MF	NO	AF ³	AF	AF	AF	VR	DX
D50	NO!	MF ⁴	MF	NO	AF ³	AF	AF	AF	VR	DX
D40/x	NO	MF ⁴	MF ²	NO	MF ³	MF	AF	AF ¹⁰	VR	DX
D80	NO!	MF ⁴	MF ²	NO	AF ³	AF	AF	AF	VR	DX
D60	NO	MF ⁴	MF ²	NO	MF ^{2,3}	MF	AF	MF ¹⁰	VR	DX
D90	NO!	MF ⁴	MF ²	NO	AF ^{2,3}	AF	AF	AF	VR	DX
D5000	NO	MF ⁴	MF ²	NO	MF ^{2,3}	MF	AF	MF ¹⁰	VR	DX
D5100	NO!	MF ⁴	MF ²	NO	AF ^{2,3}	MF	AF	MF ⁹	VR	DX

D-SLR	Pre-AI	AI ,AIS,E	AI-P	F3AF	AF	AF-D	AF-I,AF-S	G	VR	DX
D5200	NO!	MF ⁴	MF ²	NO	MF ^{2,3}	MF	AF	MF ¹⁰	VR	DX
D5300	NO!	MF ⁴	MF ²	NO	AF ^{2,3}	MF	AF	MF ⁹	VR	DX
D5500	NO!	MF ⁴	MF ²	NO	MF ^{2,3}	MF	AF	MF ⁹	VR	DX
D3000	NO	MF ⁴	MF ²	NO	MF ^{2,3}	MF	AF	MF ⁹	VR	DX
D3100	NO!	MF ⁴	MF ²	NO	MF ^{2,3}	MF	AF	MF ⁹	VR	DX
D3200	NO!	MMF ⁴ F ⁴	MF ²	NO	MF ^{2,3}	MF	AF	MF ⁹	VR	DX
D3300	NO!	MF ⁴	MF ²	NO	MF ^{2,3}	MF	AF	MF ⁹	VR	DX
D7000	NO!	MF ¹	MF ²	NO	AF ²	AF	AF	AF	VR	DX
D7100	NO!	MF ¹	MF ¹	NO	AF ²	AF	AF	AF	VR	DX
D7200	NO!	MF ¹	MF ²	NO	AF ²	AF	AF	AF	VR	DX

Always consult your camera manual.

Mount Types

- Pre-AI** Non-AI Manual Focus Nikon lenses made from 1959 and to 1977.
- AI** Manual Focus Nikon lenses, produced from 1977 until mid 80's. Introduced a mechanism for meter coupling, that is, to inform the meter in the body of the maximum aperture of the lens. With all black barrel, rubber focusing ring and multicoated elements.
- AI-S** Manual Focus Nikon lenses, introduced in 1982. Introduced the **A**perture **I**ndexing **S**hutter system for meter coupling. Smallest aperture is orange. No CPU yet, but it can be added through 3rd party services.
- E (EM)** Manual Manual Focus AIS Nikon Series E lenses, made for the compact Nikon EM. Plastics were introduced into these lenses.
- AI-P** AIS Nikon lenses, with a CPU that sends the lens information to the camera body.
- F3AF** Auto focus Nikon lenses introduced in 1983, exclusively for the Nikon F3AF
- AF** Auto focus Nikon lenses introduced in 1986. When used in A mode there is no need to use the aperture ring. They were AIS lenses with a built-in CPU and screw driven interface for AF operation. The camera body turned the screw.
- AF-D** Introduced in 1992. These are AF lenses that also relay **D**istance information to the camera, most useful for TTL flash metering.
- AF-I** Introduced in 1992. AF Nikon lenses with a coreless **I**ntegrated motor for faster AF in high-end telephoto lenses.
- AF-S** Introduced in 1996, Nikon AF-D lenses use their own "Silent Wave" ultrasonic motor.
- G** Introduced in 2000. They are AF-D lenses without an aperture ring and need to be controlled from the camera body.
- VR** Introduced in 2000. Nikon lenses with a Vibration Reduction system allowing for crisp images handheld at slow shutter speeds.
- DX** Introduced in 2003. Designed to just fill the frame of the DX format APS-C sensor which is used in Nikon D-Series SLR cameras, like the D7100.
- E-Type** Nikon lenses with an electromagnetic diaphragm mechanism. They are CPU controlled AF-S lenses. They are fully compatible with the TC14E series of Teleconverters.

NOTES

NO! - Definitely do not use, for it may damage the camera body.

The F5 body can be modified to accept pre-AI lenses.

NO - It may not damage the camera body but it will not support any function.

MF - Manual Focus

AF - Auto Focus

1 Only in A or M modes. P or S exposure modes will not function.

2 No 3D Matrix Exposure Metering.

3 No distance information through the lens for TTL flash; Nikon speedlights will use their own sensor.

4 M (Manual) exposure mode only. The meter will not operate. Use "Sunny 16 Rule" or external meter.

5 The VR system will not function. Focus is determined by the focus type.

6 Opposite of **1**. Will only work in P and S modes, not on A or M.

7 Care must be exercised to flip up the coupling tab on prior to mounting the lens to prevent damage.

8 Requires factory modification of meter coupling lever.

9 Auto Focus is possible with G lenses only if they are also AF-S; G AF lenses will MF only.

VR - The VR system will function and all other available functions.

DX Will function in DX format bodies without vignetting.

VG - Will seriously vignette on a 35mm film or full frame digital camera with FX format, more so at the shortest focal length when a zoom and wide open; all of the G lenses restrictions apply. Will work in cameras offering High Speed Crop/Auto DX format function.