

# AF-S VR Zoom-Nikkor 70-300mm f/4.5-5.6G IF-ED (4.3x)

A High-performance telephoto zoom lens that combines Nikon's most advanced features and specifications with remarkable value.

2006 Release



EDSICIF-EDGSMMAVR

## Main Features

- 4.3x, 70-300mm telephoto zoom (picture angle, when used with Nikon DX format digital SLRs is equivalent to a 105-450mm on a 35mm format SLR)
- The VR II minimizes camera shake by offering the equivalent of a shutter speed 4 stops faster. Normal and Active modes are available
- Two ED glass elements
- The SWM enables fast and quiet autofocus, and smooth switching between autofocus and manual operation
- Two focus modes are available — M/A and M
- The IF design provides a constant lens length and eliminates rotation of the front lens element, facilitating the use of circular polarizing filters
- Nine-blade rounded diaphragm opening

Camera:	Nikon D200
Focal length: 233mm lens in 35mm format.)	155mm (The picture angle is equivalent to a
Shutter Speed:	1/160 second
Aperture:	f/5
Sensitivity:	ISO100

## Specifications

**Lens construction:** 17 elements in 12 groups (two ED glass elements)

**Picture angle:** 34°20' - 8°10' [22°50' - 5°20' with Nikon digital cameras (Nikon DX format)]

**Focal-length scale:** 70, 100, 135, 200, 300mm

**Number of diaphragm blades:** 9 (rounded)

**Minimum f stop:** 32-40

**Closest focusing distance:** 1.5m (4.9 ft.) (through the entire zoom range)

**Maximum reproduction ratio:** 1/4

**Zoom control:** Manual, via separate zoom ring

**Macro focusing:** N/A

**Focus-limit switch:** N/A

**M/A mode:** Available

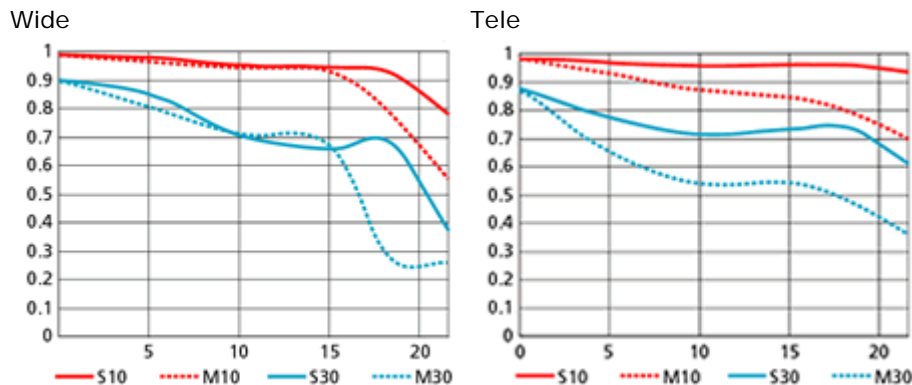
**Focus lock button:** N/A  
**Weight (approx.):** 745g  
**Dimensions (approx.) (from the camera's lens mounting flange):** 80 x 143.5mm  
**Lens cap:** Snap-on  
**Lens hood:** HB-36  
**Lens case:** CL-1022  
**Tripod collar:** N/A  
**External front filter attachment frame:** Does not rotate  
**External front filter:** N/A  
**Slip-on filter:** N/A  
**Built-in/rear filter:** N/A  
**Circular polarizing filter II:** Usable, even with dedicated Lens Hood HB-36  
**Infrared compensation scale:** Available  
**Supplied accessories:** 67mm Snap-on front lens cap (LC-67), Rear lens cap (LF-1), Bayonet hood (HB-36), Flexible lens pouch (CL-1022)

Optional accessories: 67mm screw-in filters  
Aperture ring: N/A  
Distance scale: Does have

Note:  
VR operation works with the Nikon F6, F5, F100, F80, F75, F65, D3, D700, D2-series, D1-series, D300, D200, D100, D90, D80, D70-series, D60, D50 and D40-series.

[Back to top](#)

## MTF Chart



Spatial Frequencies	S: Sagittal	M: Meridional
10 lines/mm	<div></div>	<div></div>
30 lines/mm	<div></div>	<div></div>

**Lens construction:** 17 elements in 12 groups (two ED glass elements),**Picture angle:** 34°20' - 8°10' [22°50' - 5°20' with Nikon digital cameras (Nikon DX format)],**Focal-length scale:** 70, 100, 135, 200, 300mm,**Number of diaphragm blades:** 9 (rounded),**Minimum f stop:** 32-40.**Closest focusing distance:** 1.5m (4.9 ft.) (through the entire zoom range),**Maximum reproduction ratio:** ¼,**Zoom control:** Manual, via separate zoom ring, **M/A mode:** Available, **Weight (approx.):** 745g,**Dimensions (approx.) (from the camera's lens mounting flange):** 80 x 143.5mm  
**Lens cap:** Snap-on

**Lens hood:** HB-36

**Lens case:** CL-1022

**Tripod collar:** N/A

**External front filter attachment frame:** Does not rotate

**External front filter:** N/A

**Slip-on filter:** N/A

**Built-in/rear filter:** N/A

**Circular polarizing filter II:** Usable, even with dedicated Lens Hood HB-36

**Infrared compensation scale:** Available

**Supplied accessories:** 67mm Snap-on front lens cap (LC-67), Rear lens cap (LF-1), Bayonet hood (HB-36), Flexible lens pouch (CL-1022)

**Lens construction:** 17 elements in 12 groups (two ED glass elements), **Picture angle:** 34°20' - 8°10' [22°50' - 5°20' with Nikon digital cameras (Nikon DX format)], **Focal-length scale:** 70, 100, 135, 200, 300mm, **Number of diaphragm blades:** 9 (rounded), **Minimum f stop:** 32-40. **Closest focusing distance:** 1.5m (4.9 ft.) (through the entire zoom range), **Maximum reproduction ratio:** ¼, **Zoom control:** Manual, via separate zoom ring, **M/A mode:** Available, **Weight (approx.):** 745g, **Dimensions (approx.) (from the camera's lens mounting flange):** 80 x 143.5mm, **Lens cap:** Snap-on, **Lens hood:** HB-36, **Lens case:** CL-1022, **Tripod collar:** N/A, **External front filter attachment frame:** Does not rotate, **External front filter:** N/A, **Slip-on filter:** N/A, **Built-in/rear filter:** N/A, **Circular polarizing filter II:** Usable, even with dedicated Lens Hood HB-36, **Infrared compensation scale:** Available, **Supplied accessories:** 67mm Snap-on front lens cap (LC-67), Rear lens cap (LF-1), Bayonet hood (HB-36), Flexible lens pouch (CL-1022)