

# Nikon

E990

Ultra High-Performance 3x Zoom Digital Camera

## COOLPIX990

### Breathtaking Images

- **3.34-megapixel 1/1.8-in. CCD** for ultrahigh-definition 2,048 x 1,536-pixel images
- Newly designed **3x Zoom-Nikkor lens** with focal range of 8-24mm (equivalent to 38-115mm in 35mm [135] camera format); virtually **stepless digital zoom** up to **4x** magnification (12x with optical zoom)
- **Nikon's new algorithm** drastically enhances image quality
- **Advanced total digital image control**
  - 256-segment Matrix Metering
  - Matrix Auto White Balance
  - 5-area Multi AF

- High-precision AF with **4,896 steps** including macro range (shortest working distance of **2cm [0.8 in.]**)

### Dazzling Speed

- Quick startup and approx. 0.1 sec. shutter release time lag
- Short exposure interval and fast data processing enable continuous shooting
- **Overall high-speed operation** from zooming and autofocus to data processing and transfer
- **USB interface** for data transfer approx. 10 times faster than Serial
- **Movie mode** enables reproduction of QVGA-size images in QuickTime® file format for 40 sec. at approx. 15 fps.
- **Ultra High-speed Continuous mode** captures 80 QVGA-size (320 x 240 pixels) images at up to approx. 30 fps.

### Effortless Operation and Expanded Versatility

- Slim, compact swivel design with light, tough molded magnesium (Mg) exterior
- Superb operability with ergonomic button layout, directional **focus area selector** and Command Dial
- Easy-to-see, 110,000-dot, low temp polysilicon TFT LCD screen
- Versatile exposure control with four exposure modes including **Manual**, Exposure Compensation and **Auto Bracketing** capabilities
- **7-blade iris diaphragm** for expanded possibilities in image creation
- Advanced 5-mode built-in Speedlight
- **Extended battery life of approx. 1.5 hrs.** with four LR6 "AA"-size alkaline batteries
- Compatible with Telephoto, Wideangle and Fisheye Converters (optional)



## Pictures don't get any cooler.

Nikon tops its impressive COOLPIX digital camera lineup off with the COOLPIX 990, a 3.34-megapixel powerhouse packed with even more features than its super high-quality predecessors. Incredible images are made possible by the new CCD, a newly designed 3x Zoom-Nikkor lens and advanced total digital image control. When you factor in accelerated and simplified operation along with increased versatility and operability, it's easy to see that the COOLPIX 990 from Nikon is one very cool camera.

3.34  
Megapixels  
3x  
Zoom-Nikkor

# Nikon Digital Camera E990 Specifications

<b>Type of camera</b>	Digital camera																																				
<b>CCD</b>	1/1.8-in. high-density CCD; total number of pixels: 3.34 million																																				
<b>Image size</b>	2,048 × 1,536 pixels; XGA-size (1,024 × 768), VGA-size (640 × 480), 3:2 (2,048 × 1,360) selectable																																				
<b>Lens</b>	3× Zoom-Nikkor; f = 8~24mm [35mm (135) format equivalent to 38~115mm]/F2.5~4 with macro; 9 elements in 8 groups; all elements are made of environmentally friendly glass; Nikon Super Integrated Coating (SIC) applied; glass-molded aspherical lens element included																																				
<b>Autofocus</b>	Contrast-detect TTL AF; 4,896-step autofocus control including macro range; 5-Area Multi AF or Spot AF selectable																																				
<b>Focus modes</b>	1) Continuous AF mode (when using LCD monitor), 2) Single AF mode (when not using LCD monitor and/or selectable from shooting menu), 3) Manual [50 steps from 2cm (0.8 in.) to infinity (∞) with Focus Confirmation indication]																																				
<b>Shooting distance</b>	30cm (11.8 in.) to infinity (∞); 2cm (0.8 in.) to infinity (∞) in Macro mode																																				
<b>Optical viewfinder</b>	Real-image zoom viewfinder; magnification: 0.4~1.1×; frame coverage: approx. 85%; diopter adjustment: -2~+1 m <sup>-1</sup> ; LED indication																																				
<b>LCD monitor</b>	1.8-in., 110,000-dot, low temp polysilicon TFT LCD; brightness/hue adjustment; frame coverage: approx. 97% (through/freeze image)																																				
<b>Auto OFF mode</b>	30 sec.; can also be set manually (1/5/30 min.)																																				
<b>Storage</b>	<b>System:</b> Digitally stored (uncompressed TIFF or compressed JPEG) <b>Media:</b> CompactFlash™ (CF) Card <b>No. of frames with 16MB CF Card (approx.)</b>																																				
	<table><tr><th></th><th>Image size</th><th>FULL</th><th>XGA</th><th>VGA</th><th>3:2</th></tr><tr><td>Image quality</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>HI</td><td></td><td>1</td><td>-</td><td>-</td><td>1</td></tr><tr><td>FINE</td><td></td><td>10</td><td>40</td><td>100</td><td>11</td></tr><tr><td>NORMAL</td><td></td><td>20</td><td>79</td><td>187</td><td>23</td></tr><tr><td>BASIC</td><td></td><td>40</td><td>151</td><td>333</td><td>46</td></tr></table>		Image size	FULL	XGA	VGA	3:2	Image quality						HI		1	-	-	1	FINE		10	40	100	11	NORMAL		20	79	187	23	BASIC		40	151	333	46
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<b>Shooting modes</b>	Fully automatic ([A]-REC) mode; Custom ([M]-REC) mode (three combinations of mode settings can be memorized)																																				
<b>Shooting menu</b>	1) White balance, 2) Exposure metering, 3) Continuous, 4) Best-Shot Selector (BSS), 5) Converters, 6) Image Adjustment (Auto/Normal/More Contrast/Less Contrast/Lighten/Darken/Monochrome), 7) Image Sharpening 8) Digital zoom (up to 4×)																																				
<b>Capture modes</b>	1) Single, 2) Continuous, 3) Multi-Shot 16 (16 frames in 1/16 size), 4) VGA Sequence, 5) Ultra High-speed Continuous (approx. 30 fps for 80 QVGA-size images), 6) Movie (40 sec. for QVGA-size movie at 15 fps)																																				
<b>Exposure metering</b>	4-mode TTL metering; 1) 256-segment Matrix, 2) Center-Weighted, 3) Spot and 4) AF Spot																																				
<b>Shutter</b>	Mechanical and charge-coupled electronic shutter; 8 to 1/1,000 sec. and Bulb (up to 60 sec.)																																				
<b>Aperture</b>	7-blade iris diaphragm; 10 steps in 1/3 EV increments																																				
<b>Exposure control</b>	1) Programmed Auto with Flexible Program, 2) Shutter-Priority Auto, 3) Aperture-Priority Auto, 4) Manual; Exposure Compensation (±2 EV in 1/3 EV steps); Auto Exposure Bracketing (5 steps within ±2/3 EV)																																				
<b>Exposure range</b>	EV -2~+15.5 (W), EV -0.8~+16.7 (T) (ISO 100 equivalent)																																				
<b>Sensitivity (approx.)</b>	ISO 100 equivalent; 100, 200, 400, Auto; can be controlled in any exposure mode																																				
<b>White balance</b>	1) Matrix Auto White Balance with TTL control, 2) 5-mode Manual with fine tuning (Fine/Incandescent/Fluorescent/Cloudy/Speedlight), 3) Preset																																				
<b>Self-timer</b>	10 sec. or 3 sec. duration																																				

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<b>Built-in Speedlight</b>	<b>Guide number:</b> 9/30 (at ISO 100, m/ft.) <b>Flash control:</b> Sensor flash system <b>Flash modes:</b> 1) Auto Flash, 2) Flash Cancel, 3) Anytime Flash, 4) Slow Sync, 5) Red-Eye Reduction
<b>External Speedlight</b>	Multi-flash sync terminal connects to external Nikon Speedlight SB-28/28DX/26/25/24/22s through the Multi-Flash Bracket Unit SK-E900; built-in Speedlight can be canceled when using external Speedlight(s)
<b>Playback menu</b>	1) 1 frame, 2) Movie, 3) Thumbnail (4/9 segments), 4) Slide show, 5) Zoom playback (up to 4x); Histogram indication and highlight point display; Focus confirmation indication; Hide and protect attributes can be set to each image
<b>Delete function</b>	Deletes all frames or selected frames
<b>Interface</b>	USB interface or Serial interface (Windows®: 115kbps, Macintosh®: 230kbps)

Platform	Windows®	Macintosh®
<b>USB</b>	<b>OS:</b> Windows® 98/98SE, Windows® 2000 or later <b>pre-installed model</b> <b>CPU:</b> MMX® Pentium® or later	<b>OS:</b> Mac® OS 8.6 or later (Only built-in USB ports are supported) <b>Models:</b> iMac™, iBook™, Power Macintosh® G3 (Blue/White), Power Mac™ G4 or later, PowerBook® G3 (USB built-in model) or later
<b>Serial</b>	<b>OS:</b> Windows® 95/98/98SE, NT4.0, Windows® 2000 or later	<b>OS:</b> Mac® OS 8.1 or later (Only built-in serial ports are supported)

Note: Serial Cables (SC-EW3 for Windows® and SC-EM3 for Macintosh®) are optional.

<b>Video output</b>	NTSC or PAL (selectable)
<b>I/O terminal</b>	Power input; Video output; Digital output terminal (USB/Serial); Sync terminal for external Speedlight
<b>Power requirements</b>	4 x 1.5V LR6 [alkaline "AA"-size (L40)] batteries; 1.5V FR6 lithium, 1.2V Ni-MH or 1.2V NiCd "AA"-size batteries can also be used; AC adapter (optional)
<b>Battery life</b>	Approx. 1.5 hrs. when using LCD monitor and four 1.5V LR6 [alkaline "AA"-size (L40)] batteries at normal temperature (20°C/68°F)
<b>Dimensions (W x H x D)</b>	Approx. 149 x 79 x 38mm (5.9 x 3.1 x 1.5 in.)
<b>Weight (without battery)</b>	Approx. 390g (13.8 oz.)
<b>Accessories included*</b>	Lens cap, Neck strap, Video cable, 16MB CompactFlash™ Card, USB cable, four 1.5V LR6 [alkaline "AA"-size (L40)] batteries, NikonView Ver. 3 CD-ROM, Photoshop® 5.0 LE CD-ROM
<b>Optional accessories</b>	Soft Case CS-E990, AC Adapter EH-31, CompactFlash™ Cards, PC Card Adapter EC-AD1, Serial Cables (SC-EW3 for Windows® and SC-EM3 for Macintosh®), Remote Cord MC-EU1, Telephoto Converters TC-E2 (2x)/TC-E3ED (3x), Wideangle Converters WC-E24/WC-E63, Fisheye Converter FC-E8, Slide Copy Adapter ES-E28, Multi-Flash Bracket Unit SK-E900

\*Standard accessories may differ by country or area.

In addition to Nikon's EC-CF series, the E990 may be used with the following CompactFlash™ Cards: SanDisk Corporation's SDC-FB16/32/48/64/96/128 and Lexar Media Corporation's CF008/016/032/048/064/080 4X USB, CF008/016/032/048/064/080 8X USB and CF128/160 10X USB. For more details, please contact the respective company.

	<b>WARNING</b>
TO ENSURE CORRECT USAGE, READ MANUALS CAREFULLY BEFORE USING YOUR EQUIPMENT. SOME DOCUMENTATION IS SUPPLIED ON CD-ROM ONLY.	

## NIKON CORPORATION

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