

	Effective pixels
Effective pixels	16.0 million (Image processing may reduce the number of effective pixels.)
	Image sensor
Image sensor	1/2.3-in. type CMOS Total pixels: approx. 16.76 million
	Lens
Lens	NIKKOR lens with 30x optical zoom
Focal length	4.5-135 mm (angle of view equivalent to that of 25-750 mm lens in 35mm [135] format)
Maximum aperture	f/3.7-6.4
Construction	13 elements in 11 groups (3 ED lens elements)
	Digital zoom magnification
Digital zoom magnification	Up to 4x (angle of view equivalent to that of approx. 3000 mm lens in 35mm [135] format)
	Vibration reduction
Vibration reduction	Combination of lens shift and electronic VR
	Autofocus (AF)
Focus range	[W]: Approx. 50 cm (1 ft 8 in.) to infinity [T]: Approx. 2 m (6 ft 7 in.) to infinity Macro mode: Approx. 1 cm (0.4 in.) to infinity (wide-angle position) (All distances measured from center of front surface of lens)
Focus-area selection	Face priority, manual with 99 focus areas, center, subject tracking, target finding AF
	Monitor
Monitor	7.5 cm (3-in.), approx. 921k-dot (RGBW), wide viewing angle TFT LCD with anti-reflection coating and 6-level brightness adjustment, vari-angle TFT LCD
	Storage
Media	SD , SDHC , SDXC Internal memory (approx. 473 MB)
File system	DCF and Exif 2.3 compliant
File formats	Still images: JPEG Movies: MOV (Video: H.264/MPEG-4 AVC, Audio: LPCM stereo)
	Image size (pixels)
Image size (pixels)	<ul style="list-style-type: none"> • 16M 4608 x 3456 • 8M 3264 x 2448 • 4M 2272 x 1704 • 2M 1600 x 1200 • VGA 640 x 480

- 16:9 12M 4608 x 2592
- 1:1 3456 x 3456

ISO

ISO sensitivity (Standard output sensitivity) ISO 125-1600
ISO 3200, 6400 (available when using P, S, A, or M mode)

Exposure

Metering method Matrix, center-weighted, spot (digital zoom 2x or more)
Exposure modes Programmed auto exposure with flexible program, shutter-priority auto, aperture-priority auto, manual, and exposure compensation (-2.0-+2.0 EV in steps of 1/3 EV)

Shutter

Shutter type Mechanical and CMOS electronic shutter
1/2000 - 1 s

- 1/2000-8 s (when ISO sensitivity is fixed at ISO 125 or 200 in S, A*, or M mode)

Shutter speed

- 1/4000 s (maximum speed during high-speed continuous shooting)
- 4 s (Fireworks show scene mode)

* When the aperture value is f/5.6-8 at the wide-angle position

Built-in flash

Range (approx.) (ISO sensitivity: Auto) [W]: 0.5-6.0 m (1 ft 8 in.-19 ft)
[T]: 1.5-3.5 m (5-11 ft)

Control TTL auto flash with monitor preflashes

Interface

Micro-USB connector , Hi-Speed USB

USB connector

- Do not use any USB cable other than the UC-E21 for Micro-USB connector.
- Supports Direct Print (PictBridge)

HDMI output connector HDMI micro connector (Type D)

Wi-Fi (Wireless LAN)

Standards IEEE 802.11b/g/n (standard wireless LAN protocol)

Operating frequency 2412-2462 MHz (1-11 channels)

Range (line of sight) Approx. 10 m (10 yd)

Data rates (actual measured values) IEEE 802.11b: 5 Mbps
IEEE 802.11g: 15 Mbps
IEEE 802.11n: 15 Mbps

Security OPEN/WPA2
Access protocols Infrastructure

Electronic compass

Electronic compass 16 cardinal points (position correction using 3-axis acceleration sensor, automatic correction for the deviated angle, and automatic offset adjustment)

Location data

- GPS
Receiving frequency: 1575.42 MHz, Geodetic system: WGS 84
- GLONASS
Receiving frequency: 1598.0625-1605.3750 MHz, Geodetic system: WGS 84

Supported languages for camera menus

Supported languages for camera menus Arabic, Bengali, Bulgarian, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hindi, Hungarian, Indonesian, Italian, Japanese, Korean, Marathi, Norwegian, Persian, Polish, Portuguese (European and Brazilian), Romanian, Russian, Serbian, Spanish, Swedish, Tamil, Telugu, Thai, Turkish, Ukrainian, Vietnamese

Power source

Power source One Rechargeable Li-ion Battery EN-EL12 (included)
AC Adapter EH-62F (available separately)

Battery life^{*1}

Battery life of still shooting Approx. 300 shots when using EN-EL12

Tripod socket

Tripod socket 1/4 (ISO 1222)

Dimensions / weight

Dimensions (WxHxD) Approx. 112.0 x 66.0 x 39.5 mm (4.5 x 2.6 x 1.6 in.)
(excluding projections)

Weight Approx. 289 g (10.2 oz) (including battery and memory card)

Supplied accessories

Rechargeable Li-ion Battery EN-EL12, Charging AC Adapter EH-71P *,
USB Cable UC-E21, Camera Strap

Supplied accessories^{*2}

* A plug adapter is included if the camera was purchased in a country or region that requires a plug adapter. The shape of the plug adapter varies with the country or region of purchase.

- Unless otherwise stated, all figures assume a fully-charged battery and an ambient temperature of 23 ±3°C (73.4 ±5.4°F) as specified by the Camera and Imaging Products Association (CIPA).
- *1 Battery life may vary depending on conditions of use, such as the interval between shots or the length of time that menus and images are displayed.

- *2 Supplied accessories may differ by country or area.