

Image Capture Device

Type

20.3 Megapixel, 1/2.3-inch CMOS

Total Pixels

Approx. 21.1 Megapixels

Effective Pixels

Approx. 20.3 Megapixels*

*Image processing may cause a decrease in the number of pixels.

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Focal Length

4.5mm (W) - 135.0mm (T) (35mm film equivalent: 25-750mm)

Optical Zoom

30x

Digital Zoom

4.0x

Focusing Range

Auto: 0.4 in. (1 cm) - infinity (W), 4.6 ft. (1.4 m) - infinity (T);

Normal: 2.0 in. (5 cm) - infinity (W), 4.6 ft. (1.4 m) - infinity (T);

Macro: 0.4 in. - 1.6 ft. (1 - 50 cm);

Sports: 3.3 ft. (1 m) - infinity (W), 26.0 ft. (8m) - infinity (T)

Autofocus System

TTL Autofocus, Manual Focus

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Optical Viewfinder

Not available

LCD Monitor

3.0-inch TFT Color LCD with wide viewing angle (4:3)

LCD Pixels

Approx. 922,000 dots

LCD Coverage

Approx. 100%

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Maximum Aperture

f/3.2 (W), f/6.9 (T)

Shutter Speed

1 - 1/3200 sec.

15 - 1/3200 sec. (in Tv and M Modes)

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Sensitivity

Auto, ISO 80-3200

Available in 1-step increments

Light Metering Method

Evaluative*¹, Center-weighted average, Spot*²

*¹ Facial brightness is evaluated (Face Detect AE) in Face Detect.

*² Fixed to Center, linked to AF frame

Exposure Control Method

AE Lock

Exposure Compensation

±2 stops in 1/3-stop increments

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White Balance Control

Auto*, Daylight, Cloudy, Tungsten, Fluorescent, Fluorescent H, Custom

* Facial color is evaluated in Face Detect (Face Detect WB).

- Adjusts the white balance separately for the main subject and the background when the flash fires

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Built-in Flash

Auto, On, Slow Synchro, Off

- Facial brightness is also evaluated in Face Detect

Flash Range

1.6 - 11 ft. (W), 4.6 - 6.6 ft. (T) / (50cm - 3.5m (W), 1.4 - 2.0m (T))

- Image brightness at the corners may diminish depending on the shooting distance

Recycling Time

10 seconds or less (battery voltage: 3.7 V)

Flash Exposure Compensation

±2 stops in 1/3 increments

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Shooting Modes

M, Av, Tv, P, Live View Control, Hybrid Auto, Auto, Creative Shot¹, Sports, Portrait, Smart Shutter², Handheld Night Scene, Low Light, Snow, Fireworks, Fish-eye Effect, Miniature Effect, Toy Camera Effect, Soft Focus, Monochrome, Super Vivid, Poster Effect, Standard Movie, Short Clip, iFrame Movie

¹Auto, Retro, Monochrome, Special and Natural effects

²Smile, Wink Self-timer, FaceSelf-timer

Shooting movies is possible with the movie button

Photo Effects

My Colors Off, Vivid, Neutral, Sepia, Black & White, Positive Film, Lighter Skin, Darker Skin, Vivid Blue, Vivid Green, Vivid Red, Custom Color*

* Adjustment of contrast, sharpness, saturation, red, green, blue and skin tone are available.

Self Timer

Approx. 10-sec. delay, Approx. 2-sec. delay, Custom

Wireless Control

Wi-Fi™ and NFC

Continuous Shooting

Normal: Approx. 3.1 shots/sec. (in P mode)

Normal: Approx. 8.5 shots/sec. (in High-speed Burst HQ)

- Under conditions where the flash does not fire automatically.
- Differs depending on the zoom position.

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Storage Media

SD/SDHC/SDXC and UHS-I Memory Cards

File Format

Design rule for Camera File system, DPOF (Version 1.1) compliant

Image Recording Format

JPEG (Superfine, Fine)

JPEG Compression Mode

Still Image: Exif 2.3 JPEG

Video: MP4 (Image data: MPEG-4 AVC/H.264; Audio data: MPEG-4 AAC-LC (Stereo))

Number of Recording Pixels

Still Images:

1) 16:9 - Large: 5184 x 2912; Medium 1: 3648 x 2048; Medium 2: 1920 x 1080; Small: 640 x 360

2) 3:2 - Large: 5184 x 3456; Medium 1: 3648 x 2432; Medium 2: 2048 x 1368; Small: 640 x 424

3) 4:3 - Large: 5184 x 3888; Medium 1: 3648 x 2736; Medium 2: 2048 x 1536; Small: 640 x 480

4) 1:1 - Large: 3888 x 3888; Medium 1: 2736 x 2736; Medium 2: 1536 x 1536; Small: 480 x 480

5) In Low Light: Medium: 2592 x 1944

Videos:

Full HD 1920 x 1080: 60 fps (59.94), 30 fps (29.97)

iFrame Movie 1920 x 1080: 30 fps (29.97)

HD 1280 x 720: 30 fps (29.97)

Digest Movie 1280 x 720: 30 fps (29.97)

Miniature Effect 1280 x 720¹: 6 fps, 3 fps, 1.5 fps

Miniature Effect 640 x 480¹: 6 fps, 3 fps, 1.5 fps

Short Clip 1280 x 720: 30 fps (29.97)

¹Playback: 30 fps (29.97)