▾ At a Glance

Effective Pixels

18.4 million

Sensor Size

13.2mm x 8.8mm

Image Sensor Format

CX

Storage Media

microSD (micro Secure Digital)

microSDHC

microSDXC memory cards

Top Continuous Shooting Speed at full resolution

10/20 frames per second

with AF; 30/60 fps with focus locked on first frame

ISO Sensitivity

160-12800

Movie

HD: 1920 x 1080/60p

HD: 1920 x 1080/30p

HD: 1280 x 720/60p

HD: 1280 x 720/30p

1280 x 720/120 fps (aspect ratio 16:9; plays at 30p/29.97 fps)

768 x 288/400 fps (aspect ratio 8:3; plays at 30p/29.97 fps)

416 x 144/1200 fps (aspect ratio 8:3; plays at 30p/29.97 fps)

Motion Snapshot: 1920 x 1080/60p (plays at 23.976fps)

Fast-motion, jump-cut, and 4-second movies (aspect ratio 16:9)

1920 x 1080/60p (59.94fps) (plays at 24p/23.976fps)

Audio file format: ACC

Movie file format: MOV

Monitor Size

3.0 in. diagonal

Monitor Type

TFT-LCD with brightness adjustment

Battery / Batteries

EN-EL22 Lithium-ion Battery

Approx. Dimensions (Width x Height x Depth)

3.9 in. (99.5 mm) x 2.4 in. (60 mm) x 1.1 in. (28.5 mm)

Excluding projections.

Approx. Weight

6.8 oz. (192 g)

camera body only

Expand/Collapse All

▾ Type

Type	Advanced Camera with Interchangeable Lenses
Lens Mount	Nikon 1 mount

▾ Image Sensor

Picture Angle	Approx. 2.7x lens focal length (Nikon CX format)
Sensor Size	13.2mm x 8.8mm
Image Sensor Format	CX
Image Sensor Type	CMOS
Dust-reduction system	Image sensor cleaning
Image Area (pixels)	Normal Panorama, horizontal pan (120:23 aspect ratio) 4,800 x 920 Normal Panorama - vertical pan (8:25 aspect ratio) 1,536 x 4,800 Wide Panorama - horizontal pan (240:23 aspect ratio) 9,600 x 920 Wide Panorama - vertical pan (4:25 aspect ratio) 1,536 x 9,600

Still Images (3:2 aspect ratio)
5,232 x 3,488
3,920 x 2,616
2,608 x 1,744
Still images (taken during movie recording; aspect ratio 3:2)
5,232 x 3,488 (1080/60p, 1080/30p)
1,472 x 984 (720/60p, 720/30p)
Motion Snapshot (16:9 aspect ratio)
5,232 x 2,936

▾ File System

File Format	Compressed 12-bit NEF (RAW) JPEG: JPEG-Baseline compliant with fine (approx 1:4), normal (approx 1:8) NEF (RAW) + JPEG: Single photograph recorded in both NEF (RAW) and JPEG formats
Storage Media	microSD (micro Secure Digital) microSDHC microSDXC memory cards
Card Slot	1 micro secure digital
File System	Compliant with DCF (Design Rule for Camera File System) 2.0 DPOF (Digital Print Order Format) EXIF 2.3 (Exchangeable Image File Format for Digital Still Cameras) PictBridge

▾ Lens

▾ Shutter

Shutter Type	Electronic Shutter
Fastest Shutter Speed	Electronic Shutter: 1/16,000 sec.
Slowest Shutter Speed	30 sec.
Flash Sync Speed	Up to 1/60 sec.
Bulb Shutter Setting	Yes
Shutter Release Modes	Single-frame [S] mode Continuous Self-timer mode
Frame Advance Rate	Approx. 5, 10, 20, 30 or 60 fps
Top Continuous Shooting Speed at full resolution	10/20 frames per second with AF; 30/60 fps with focus locked on first frame
Self-timer	2, 10 sec. *Timer duration electronically controlled*

▾ Exposure

Exposure Metering System	TTL metering using image sensor
Metering Method	Matrix Center-weighted: Meters 4.5 mm circle in center of frame Spot: Meters 2 mm circle centered on select focus area

Exposure Modes	Programmed Auto with flexible Program (P)
	Shutter-Priority Auto (S)
	Aperture-Priority Auto (A)
	Manual (M)
	Scene Auto Selector

Scene Modes	Portrait
	Landscape
	Night Landscape
	Night Portrait
	Close-up
	Auto

Shooting Modes	Advanced movie mode (includes HD movie, slow motion, fast motion, jump cut, and 4-second movie)
	Auto Photo mode
	Creative mode (including: creative pallet, HDR, easy panorama, soft, miniature effect, selective color, cross process, and toy camera effect)
	Motion Snapshot (16:9)
	P programmed auto with flexible program, S shutter-priority auto, A aperture-priority auto, M manual
	Best Moment Capture mode (includes Slow View, Active Selection, and Smart Photo Selector)

| Exposure Compensation | ±3 EV in increments of 1/3EV |

| Exposure Lock | Luminosity locked at detected value with AE-L/AF-L button |

Picture Control	Standard
	Neutral
	Vivid
	Monochrome
	Portrait
	Landscape
	Selected Picture Control can be modified
	User-customizable Settings

▾ Sensitivity

| ISO Sensitivity | 160-12800 |

| Active D-Lighting | On |
| | Off |

▾ Autofocus

| Autofocus System | Hybrid autofocus (phase detection/contrast-detect AF) |
| | AF-assist illuminator |

AF-area mode	Single-point AF: 171 focus areas; the center 105 areas support phase-detection AF
	Auto-area AF: 41 focus areas
	Subject tracking
	Face-priority AF

| Focus Lock | Focus can be locked by pressing shutter-release button halfway (single AF) |

Focus Modes	Auto (AF)
	Auto AF-S/AF-C selection (AF-A)
	Single-Servo AF (AF-S)
	Continuous-Servo (AF-C)
	Full-time Servo (AF-F)
	Manual Focus (MF)

▾ Flash

Built-in Flash	Yes
Guide Number	5/16 (m/ft ISO 100, 20°C/68°F) Approx.
Flash Control	i-TTL flash control using image sensor available
Flash Mode	Fill-flash Fill-flash with slow sync Red-eye reduction Red-eye reduction with slow sync Rear curtain sync Rear curtain with slow sync Off
Flash Compensation	-3 to +1 EV in increments of 1/3 EV
Flash-ready indicator	Lights when built-in flash unit is fully charged

▼ White Balance

White Balance	Auto Incandescent Fluorescent Direct Sunlight Flash Cloudy Shade Preset Manual Underwater All except preset manual with fine tuning

▼ Movie

Movie Metering	TTL exposure metering using main image sensor
Movie Metering Method	Matrix Center-weighted: Meters 4.5 mm circle in center of frame Spot: Meters 2 mm circle centered on select focus area
Movie File Format	MOV
Movie Video Compression	H.264/MPEG-4 Advanced Video Coding
Movie Audio recording format	PCM
Movie Audio recording device	Built-in stereo microphone; sensitivity adjustable
Movie	HD: 1920 x 1080/60p HD: 1920 x 1080/30p HD: 1280 x 720/60p HD: 1280 x 720/30p 1280 x 720/120 fps (aspect ratio 16:9; plays at 30p/29.97 fps) 768 x 288/400 fps (aspect ratio 8:3; plays at 30p/29.97 fps) 416 x 144/1200 fps (aspect ratio 8:3; plays at 30p/29.97 fps) Motion Snapshot: 1920 x 1080/60p (plays at 23.976fps) Fast-motion, jump-cut, and 4-second movies (aspect ratio 16:9) 1920 x 1080/60p (59.94fps) (plays at 24p/23.976fps) Audio file format: ACC Movie file format: MOV

▼ Monitor

Monitor Size	3.0 in. diagonal
Monitor Resolution	1,037,000 Dots
Monitor Type	TFT-LCD with brightness adjustment

▼ Interface

Interface	USB: Hi-speed USB HDMI output: Type D mini-pin HDMI connector

▼ Menus

Supported Languages	Arabic Bengali Chinese (Simplified and Traditional) Czech Danish Dutch English Finnish French German Greek Hindi Hungarian Indonesian Italian Japanese Korean Norwegian Persian Polish Portuguese (European and Brazilian) Romanian Russian Spanish Swedish Tamil Thai Turkish Ukrainian Vietnamese
Date, Time and Daylight Savings Time Settings	Yes
World Time Setting	Yes

▼ Power

Battery / Batteries	EN-EL22 Lithium-ion Battery
Battery Life (shots per charge)	300 shots (CIPA) Movies: Approx. 70 minutes (1080/30p)
AC Adapter	EH-5b AC Adapter Requires EP-5E Power Supply Connector

▼ Miscellaneous

Tripod Socket	1/4 in.

Approx. Dimensions (Width x Height x Depth)	3.9 in. (99.5 mm) x 2.4 in. (60 mm) x 1.1 in. (28.5 mm) *Excluding projections.*
Approx. Weight	6.8 oz. (192 g) *camera body only*
Operating Environment	32 to 104°F (0 to 40°C) *Less than 85% humidity (no condensation)*