D5600 User's Manual



Nikon User Support for India and Australia Contact a Nikon representative for technical assistance with the operation of your Nikon product or products. For information on the Nikon representatives in your area, visit http://www.nikon-asia.com/support.

D5600 Model Name: N1538

About the Reference Manual

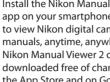
For more information on using your Nikon camera, download a pdf copy of the camera Reference Manual from the website listed below

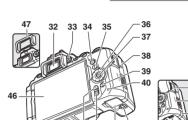
http://downloadcenter.nikonimalib.com/

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for brief quotation in critical articles or reviews), may be made witho
written authorization from NIKON CORPORATION.

After reading this manual, keep it in a readily accessible place for

To ensure proper use of the camera, be sure to read "For Your Safety"

Read this manual thoroughly before using the camera

Package Contents

☐ D5600 camera

future reference.

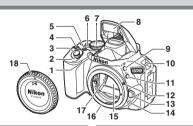
☐ AN-DC3 strap User's Manual (this sheet)

Warranty

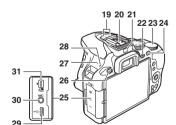
- ☐ DK-25 rubber eyecup (comes attached to camera)
- ☐ BF-1B body cap
- ☐ EN-EL14a rechargeable Li-ion
- battery (with terminal cover)
- ☐ MH-24 battery charger (plug adapter supplied in countries or regions where required; shape depends on country of sale)

Purchasers of the lens kit option should confirm that the package also includes a lens. Memory cards are sold separately. Cameras purchased in Japan display menus and messages in English and Japanese only; other languages are not supported. We apologize for any inconvenience this may cause.

A The Camera Body



1	AF-assist illuminator	9	\$/∰⊉ button
	Self-timer lamp	10	Eyelets for camera strap
	Red-eye reduction lamp	11	Fn button
2	Power switch	12	Mounting mark
3	Shutter-release button	13	Lens release button
4	☑/֎ button	14	및/항 button
5	Movie-record button	15	Mirror
6	Live view switch	16	Lens mount
7	Mode dial	17	CPU contacts
8	Built-in flash	18	Body cap
			· ·

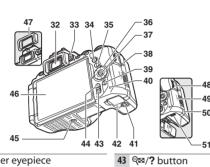


19	Stereo microphone		
20	Accessory shoe (for optional flash units)		
21	Eye sensor		
22	information) button		
23	Command dial		
24	Æ-l/ O¬¬ button		
25	Connector cover		

26 MENU button 27 Speaker 28 Focal plane mark (→) 29 USB connector 30 Connector for external microphone 31 Accessory terminal

Nikon Manual Viewer 2

nstall the Nikon Manual Viewer 2 app on your smartphone or tablet o view Nikon digital camera manuals, anytime, anywhere. Nikon Manual Viewer 2 can be downloaded free of charge from he App Store and on Google Play.



44 [®] button

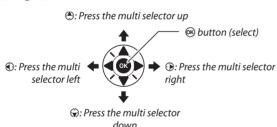
45 Tripod socket

		44
	32	Viewfinder eyepiece
	33	Diopter adjustment control
	34	▶ button
0	35	i button
•	36	Multi selector
	37	® (OK) button
	38	N-Mark (NFC antenna)
	39	์ button
	40	Memory card access lamp
	41	Battery-chamber cover latch

Touch-sensitive vari-angle monitor 47 Rubber eyecup 48 HDMI connector cover 49 Memory card slot cove **50** Power connector cover for optional power connector 51 Battery latch 42 Battery-chamber cover

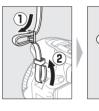
✓ The Multi Selector

In this manual, operations using the multi selector are represented by -, -, -, and - icons.

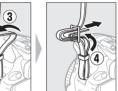


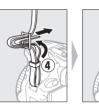
B Quick Start Guide

Attach the Camera Strap



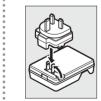




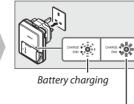


Charge the Battery

If a plug adapter is supplied, raise the wall plug and connect the plug adapter as shown below at left, making sure the plug is fully inserted. Insert the battery and plug the charger in.

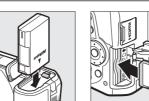






Charging complete

Insert the Battery and a Memory Card



Open the Monitor

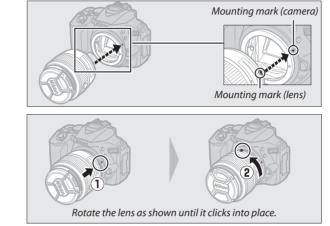
Open the monitor as shown. Do not use force.







Attach a Lens



Lenses with Retractable Lens Barrel Buttons

Before using the camera, unlock and extend the lens. Keeping the retractable lens barrel button pressed (1), rotate the zoom ring as





Pictures can not be taken when the lens is retracted; if an error message is displayed as a result of the camera having been turned on with the lens retracted, rotate the zoom ring until the message is no longer displayed.

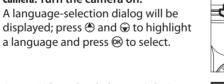


To remove the lens, turn the camera off and press and hold the lens-release button on the front of the camera while rotating the lens in the direction opposite that shown above.

Camera Setup

■■ Setup from a Smartphone or Tablet

- Smart device: Download and install the SnapBridge app. The app is available free from the Nikon website (http://snapbridge.nikon.com), the Apple App Store®, and Google Play™.
- Camera: Turn the camera on. A language-selection dialog will be



3 Camera: When the dialog at right is displayed, press ®. If the dialog at right is not displayed or if you wish to configure the camera again, highlight Connect to smart



Camera/smart device: Start pairing

- Android devices with NFC support: After checking that NFC is enabled on the smart device, touch the camera N (N-Mark) to the NFC antenna on the smart device to launch the SnapBridge app, and then follow the on-screen instructions before proceeding to Step 8.
- iOS devices and Android devices without NFC support: Press the camera @ button to ready the camera for pairing.
- Camera: Confirm that the camera displays the message shown at right and ready the smart device.



6 Smart device: Launch the SnapBridge app and tap Pair with camera. If prompted to choose a camera, tap the camera name.



7 Smart device: Tap the camera name in the "Pair with camera" dialog. Users who are pairing a camera with an iOS device for the first time will first be presented with pairing instructions;

Understood. If you are then prompted to choose an accessory, tap the camera

- Camera/smart device: Confirm that the camera and smart device display the same six-digit number. Some versions of iOS may not display a number; if no number displayed, proceed to Step 9.
- **9** Camera/smart device: Press **®** on the camera and tap PAIR on the smart device.

10 Follow the on-screen instructions.

after reading the instructions, scroll

to the bottom of the display and tap

Follow the instructions displayed by the camera and smart device to complete the setup process.

■■ Setup from the Camera Menus

- 1 Turn the camera on. A language-selection dialog will be displayed; press 🖰 and 🐨 to highlight a language and press ® to select
- **2** Press MENU and set the camera clock. After setting time zone, date format, and daylight saving time options, use the multi selector and ® button to set the camera clock.



Focus the Viewfinder

After removing the lens cap, rotate the diopter adjustment control until the AF area brackets are in sharp focus. When operating the control with your eye to the viewfinder, be careful not to put your fingers or fingernails in your eye.





C "Point-and-Shoot" Modes (and ③)

1 Rotate the mode dial to a or 9.



2 Frame the photograph.



3 Press the shutter-release button halfway to focus.

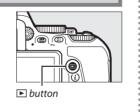


Smoothly press the shutter-release button the rest of the way down to take the photograph.



D Viewing Photographs

Pressing **▶** displays a picture in the monitor.



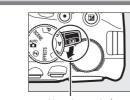
E Deleting Unwanted Photographs

Note that photographs can not be recovered once deleted.

- Press the fi button. A confirmation dialog will be displayed; press the fi button again to delete the image and return to playback.
- To exit without deleting the picture, press .

F Recording Movies

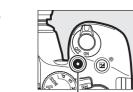
Rotate the live view switch. The view through the lens will be displayed in the monitor.



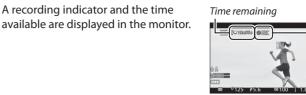
2 Press the shutter-release button halfway to focus.

Press the movie-record button to start recording.

A recording indicator and the time



Movie-record button

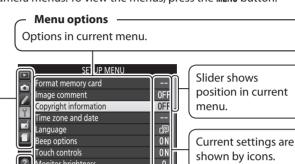


Recording indicator

- Press the movie-record button again to end recording.
- 5 Rotate the live view switch to exit live view.

G Camera Menus

Most shooting, playback, and setup options can be accessed from the camera menus. To view the menus, press the MENU button.



Help icon

If the help icon is displayed, you can press the (?) button to view help for the currently selected item.

_ Tabs					
Choose from the following menus:					
▶	Playback				
	Shooting				
	Custom Settings				
Y	Setup				
	Retouch				
1	Recent Settings/ My Menu				
$\overline{}$					

Caring for the Camera

When the camera will not be used for an extended period, turn the camera

- off and remove the battery. Do not store in locations that:
- are poorly ventilated or subject to humidities of over 60% are next to equipment that produces strong electromagnetic fields, such
- are exposed to temperatures above 50 °C (122 °F) or below –10 °C (14 °F)

II Cleaning

Use a blower to remove dust and lint, then wipe gently with a soft, dry cloth. After using the camera at the beach or seaside, wipe off sand or salt with a cloth lightly dampened in distilled water and dry thoroughly. **Important**: Dust or other foreign matter inside the camera may cause

damage not covered under warranty. Lens, Mirror, and Viewfinder

These glass elements are easily damaged. Remove dust and lint with a blower. If using an aerosol blower, keep the can vertical to prevent the discharge of liquid. To remove fingerprints and other stains, apply a small amount of lens cleaner to a soft cloth and clean with care.

Remove dust and lint with a blower. When removing fingerprints and other stains, wipe the surface lightly with a soft cloth or chamois leather. Do not apply pressure, as this could result in damage or malfunction.

Troubleshooting

Do not use alcohol, thinner, or other volatile chemicals.

■ Battery/Display

The camera is on but does not respond: Wait for recording to end. If the problem persists, turn the camera off, If the camera does not turn off, remove and reinsert the battery or, if you are using an AC adapter, disconnect and reconnect the AC adapter. Note that although any data currently being recorded will be lost, data that have already been recorded will not be affected by removing or disconnecting the power source.

Viewfinder is dark: Insert a fully-charged battery.

Displays turn off without warning: Choose longer delays for Custom Setting c2 (Auto off timers). Viewfinder display is unresponsive and dim: The response times and brightness

of this display vary with temperature Fine lines are visible around active focus point or display turns red when focus point is highlighted: These phenomena are normal for this type of viewfinder and do not indicate a malfunction.

■ Shooting (All Modes)

Camera takes time to turn on: Delete files or folders.

Specifications

II Nikon D5600 Digital Camera

Single-lens reflex digital camera Nikon F mount (with AF contacts Nikon DX format; focal length equivalent to approx. 1.5× that of lenses with FX format angle of view

24.2 million mage sensor 23.5 × 15.6 mm CMOS senso Image sensor Total pixels 24.78 million

(Capture NX-D software required) • 6000 × 4000 (Large)

• 4496 × 3000 (Medium) • 2992 × 2000 (Small)

Dust-reduction System Image sensor cleaning, Image Dust Off reference data

• NEF (RAW): 12- or 14 bit, compressed JPEG: JPEG-Baseline compliant with fine (approx.

1:4), normal (approx. 1:8), or basic (approx. 1:16)

NEF (RAW)+JPEG: Single photograph recorded in both NEF (RAW) and JPEG format

Picture Control System Standard, Neutral, Vivid, Monochrome, Portrait, Landscape, Flat; selected Picture Control can be

modified; storage for custom Picture Controls SD (Secure Digital) and UHS-I compliant SDHC and SDXC memory cards

DCF 2.0, Exif 2.3, PictBridge

Eye-level pentamirror single-lens reflex viewfinde Approx. 95% horizontal and 95% vertical Approx. $0.82 \times (50 \text{ mm f/1.4 lens at infinity, } -1.0 \text{ m}^{-1})$ 17 mm (-1.0 m⁻¹; from center surface of viewfinder

evepiece lens) -1.7-+0.5 m Type B BriteView Clear Matte Mark VII screen Quick return

Instant return, electronically controlled Autofocus is available with AF-S, AF-P, and AF-I lenses.

Electronically-controlled vertical-travel focal-plane $\frac{1}{4000}$ – 30 s in steps of $\frac{1}{3}$ or $\frac{1}{2}$ EV; Bulb; Time Flash sync speed $X = \frac{1}{200}$ s; synchronizes with shutter at $\frac{1}{200}$ s or slower

> S (single frame), □L (continuous L), □H (continuous H),

photography supported • 밀L: Up to 3 fps • 밀H: Up to 5 fps (JPEG and 12-bit NEF/RAW) or 4 fps (14-bit NEF/RAW)

Note: Frame rates assume continuous-servo AF, manual or shutter-priority auto exposure, a shutter speed of 1/250 s or faster, Release selected for Custom Setting a1 (AF-C

2 s, 5 s, 10 s, 20 s; 1-9 exposures

TTL exposure metering using 2016-pixel RGB sensor Matrix metering: 3D color matrix metering II (type G,

priority selection), and other settings at default values.

E, and D lenses); color matrix metering II (other CPU

• Center-weighted metering: Weight of 75% given to 8-mm circle in center of frame Spot metering: Meters 3.5-mm circle (about 2.5% of

frame) centered on selected focus point

Range (ISO 100, f/1.4 • Matrix or center-weighted metering: 0-20 EV lens, 20 °C/68 °F) • Spot metering: 2–20 EV

> Auto modes (auto: auto: lash off): programmed auto with flexible program (P); shutter-priority auto (S); aperture-priority auto (A): manual (M): scene modes

(₹ portrait: 🗖 landscape: 🍣 child: 🕏 sports: 🛱 close up; ☑ night portrait; ☑ night landscape; ※ party/ indoor; 🏙 beach/snow; 🛎 sunset; 🛎 dusk/dawn; 🦋 pet portrait; 2 candlelight; 4 blossom; 4 autumn colors; ¶ food): special effects modes (☒ night vision: VI super

vivid; POP pop; Dephoto illustration; Let tov camera effect:

miniature effect;

selective color;

silhouette;

silhouette; high key; low key) Exposure compensation Can be adjusted by -5-+5 EV in increments of 1/3 or 1/2 EV

Luminosity locked at detected value with 奸 (**〇一**) button ISO 100-25600 in steps of 1/3 EV. Auto ISO sensitivity ISO sensitivity control available

瞄A Auto, 瞄片 Extra high, 瞄H High, 晒N Normal, 瞄L Low, Active D-Lighting

Continued overleaf

Focus	
Autofocus	Nikon Multi-CAM 4800DX autofocus sensor module with
	TTL phase detection, 39 focus points (including 9 cross- type sensors), and AF-assist illuminator (range approx.
	0.5–3 m/1 ft 8 in.–9 ft 10 in.)
Detection range	−1−+19 EV (ISO 100, 20 °C/68 °F)
Lens servo	Autofocus (AF): Single-servo AF (AF-S); continuous-servo AF
	(AF-C); auto AF-S/AF-C selection (AF-A); predictive focus
	tracking activated automatically according to subject status
	Manual focus (MF): Electronic rangefinder can be used
Focus point	Can be selected from 39 or 11 focus points
AF-area mode	Single-point AF, 9-, 21-, or 39- point dynamic-area AF,
	3D-tracking, auto-area AF
Focus lock	Focus can be locked by pressing shutter-release button halfway (single-servo AF) or by pressing 紅 (O n) button
1L	Trainway (strigite servo Ar / or by pressing art (• 11) button
lash Built-in flash	營, 差, 备, ♥, 團, ※, ♥, VI, POP, 魦, 息: Auto flash with auto
Dunc-in nasn	pop-up
	P, S, A, M, †1: Manual pop-up with button release
Guide Number	Approx. 12/39, 12/39 with manual flash (m/ft, ISO 100,
	20 °C/68 °F)
Flash control	TTL: i-TTL flash control using 2016-pixel RGB sensor is available with built-in flash; i-TTL balanced fill-flash for
	digital SLR is used with matrix and center-weighted
	metering, standard i-TTL flash for digital SLR with spot
	metering
Flash mode	Auto, auto with red-eye reduction, auto slow sync, auto
	slow sync with red-eye reduction, fill-flash, red-eye
	reduction, slow sync, slow sync with red-eye reduction, rear-curtain with slow sync, rear-curtain sync, off
Flash compensation	Can be adjusted by $-3-+1$ EV in increments of $\frac{1}{3}$ or $\frac{1}{2}$ EV
,	in P, S, A, M, and SCENE modes
Flash-ready indicator	Lights when built-in flash or optional flash unit is fully
	charged; blinks after flash is fired at full output
Accessory shoe	ISO 518 hot-shoe with sync and data contacts and safety lock
Nikon Creative Lighting	Nikon CLS supported
System (CLS)	Mikoli CL3 supported
Sync terminal	AS-15 sync terminal adapter (available separately)
Vhite balance	
White balance	Auto, incandescent, fluorescent (7 types), direct sunlight,
	flash, cloudy, shade, preset manual, all except preset
	manual with fine-tuning.
Bracketing	
Bracketing types	Exposure, white balance, and ADL
ive view	
Lens servo	• Autofocus (AF): Single-servo AF (AF-S); full-time-servo AF
	(AF-F)
	(AF-F) • Manual focus (MF)
	(AF-F)
AF-area mode	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-
AF-area mode	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or
AF-area mode Autofocus	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected)
AF-area mode Autofocus Automatic scene	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or
AF-area mode Autofocus Automatic scene selection	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected)
AF-area mode Autofocus Automatic scene selection Aovie	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in 📆 and ③ modes
AF-area mode Autofocus Automatic scene selection Aovie Metering	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in 📆 and ③ modes
AF-area mode Autofocus Automatic scene selection Aovie Metering Metering method	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in 📆 and ③ modes TTL exposure metering using main image sensor Matrix
AF-area mode Autofocus Automatic scene selection Aovie Metering Metering method Frame size (pixels) and	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in 📆 and ③ modes
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AF-area mode Autofocus Automatic scene selection Aovie Metering Metering method Frame size (pixels) and	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in and modes TTL exposure metering using main image sensor Matrix • 1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 × 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps respectively; options
AF-area mode Autofocus Automatic scene selection Movie Metering Metering method Frame size (pixels) and frame rate	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in and modes TTL exposure metering using main image sensor Matrix • 1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 × 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps respectively; options support both ★ high and normal image quality
AF-area mode Autofocus Automatic scene selection Movie Metering Metering method Frame size (pixels) and frame rate	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in and modes TTL exposure metering using main image sensor Matrix • 1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 × 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps respectively; options support both ★ high and normal image quality MOV
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AF-area mode Autofocus Automatic scene selection Movie Metering Metering method Frame size (pixels) and frame rate File format Video compression Audio recording format	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in and modes TTL exposure metering using main image sensor Matrix • 1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 × 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps respectively; options support both thigh and normal image quality MOV H.264/MPEG-4 Advanced Video Coding Linear PCM
AF-area mode Autofocus Automatic scene selection Movie Metering Metering method Frame size (pixels) and frame rate File format Video compression Audio recording format	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in and modes TTL exposure metering using main image sensor Matrix • 1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 × 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps respectively; options support both ★ high and normal image quality MOV H.264/MPEG-4 Advanced Video Coding
AF-area mode Autofocus Automatic scene selection Aovie Metering Metering method Frame size (pixels) and frame rate File format Video compression Audio recording format Audio recording device	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in and modes TTL exposure metering using main image sensor Matrix • 1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 × 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps respectively; options support both ★ high and normal image quality MOV H.264/MPEG-4 Advanced Video Coding Linear PCM Built-in or external stereo microphone; sensitivity
AF-area mode Autofocus Automatic scene selection Aovie Metering Metering method Frame size (pixels) and frame rate File format Video compression Audio recording format Audio recording device	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in and modes TTL exposure metering using main image sensor Matrix • 1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 × 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps respectively; options support both thigh and normal image quality MOV H.264/MPEG-4 Advanced Video Coding Linear PCM Built-in or external stereo microphone; sensitivity adjustable
AF-area mode Autofocus Automatic scene selection Aovie Metering Metering method Frame size (pixels) and frame rate Video compression Audio recording format Audio recording device ISO sensitivity Other options	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in and modes TTL exposure metering using main image sensor Matrix • 1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 × 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59,94, 50, 29,97, 25, and 23,976 fps respectively; options support both thigh and normal image quality MOV H.264/MPEG-4 Advanced Video Coding Linear PCM Built-in or external stereo microphone; sensitivity adjustable ISO 100-25600
AF-area mode Autofocus Automatic scene selection Aovie Metering Metering method Frame size (pixels) and frame rate Video compression Audio recording format Audio recording device ISO sensitivity Other options Aonitor	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in and modes TTL exposure metering using main image sensor Matrix • 1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 × 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59,94, 50, 29,97, 25, and 23,976 fps respectively; options support both thigh and normal image quality MOV H.264/MPEG-4 Advanced Video Coding Linear PCM Built-in or external stereo microphone; sensitivity adjustable ISO 100-25600
Artofocus Automatic scene selection Automatic scene selection Aovie Metering Metering method Frame size (pixels) and frame rate Video compression Audio recording format Audio recording device SO sensitivity Other options Annitor	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in and and modes TTL exposure metering using main image sensor Matrix • 1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 × 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps respectively; options support both thigh and normal image quality MOV H.264/MPEG-4 Advanced Video Coding Linear PCM Built-in or external stereo microphone; sensitivity adjustable ISO 100-25600 Time-lapse movies 8.1 cm/3.2-in. (3:2), approx. 1037k-dot (720 × 480 × 3 = 1,036,800 dots), TFT vari-angle LCD touch screen
Artofocus Automatic scene selection Automatic scene selection Aovie Metering Metering method Frame size (pixels) and frame rate Video compression Audio recording format Audio recording device SO sensitivity Other options Annitor	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in and modes TTL exposure metering using main image sensor Matrix • 1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 × 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59,94, 50, 29,97, 25, and 23,976 fps respectively; options support both thigh and normal image quality MOV H.264/MPEG-4 Advanced Video Coding Linear PCM Built-in or external stereo microphone; sensitivity adjustable ISO 100−25600 Time-lapse movies 8.1 cm/3.2-in. (3:2), approx. 1037k-dot (720 × 480 × 3 = 1,036,800 dots), TFT vari-angle LCD touch screen with 170° viewing angle, approx. 100% frame coverage,
Artofocus Automatic scene selection Aovie Metering Metering method Frame size (pixels) and frame rate Jideo compression Audio recording format Audio recording device SO sensitivity Other options Monitor	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in and and modes TTL exposure metering using main image sensor Matrix • 1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 × 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps respectively; options support both thigh and normal image quality MOV H.264/MPEG-4 Advanced Video Coding Linear PCM Built-in or external stereo microphone; sensitivity adjustable ISO 100-25600 Time-lapse movies 8.1 cm/3.2-in. (3:2), approx. 1037k-dot (720 × 480 × 3 = 1,036,800 dots), TFT vari-angle LCD touch screen
AF-area mode Autofocus Automatic scene selection Aovie Metering Metering method Frame size (pixels) and frame rate Video compression Audio recording format Audio recording device ISO sensitivity Other options Aonitor Monitor	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in and modes TTL exposure metering using main image sensor Matrix • 1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 × 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps respectively; options support both high and normal image quality MOV H.264/MPEG-4 Advanced Video Coding Linear PCM Built-in or external stereo microphone; sensitivity adjustable ISO 100−25600 Time-lapse movies 8.1 cm/3.2-in. (3:2), approx. 1037k-dot (720 × 480 × 3 = 1,036,800 dots), TFT vari-angle LCD touch screen with 170° viewing angle, approx. 100% frame coverage, brightness adjustment, and eye-sensor controlled on/off
AF-area mode Autofocus Automatic scene selection Aovie Metering Metering method Frame size (pixels) and frame rate Video compression Audio recording format Audio recording device ISO sensitivity Other options Aonitor Monitor	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in and modes TTL exposure metering using main image sensor Matrix • 1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 × 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps respectively; options support both thigh and normal image quality MOV H.264/MPEG-4 Advanced Video Coding Linear PCM Built-in or external stereo microphone; sensitivity adjustable ISO 100−25600 Time-lapse movies 8.1 cm/3.2-in. (3:2), approx. 1037k-dot (720 × 480 × 3 = 1,036,800 dots), TFT vari-angle LCD touch screen with 170° viewing angle, approx. 100% frame coverage, brightness adjustment, and eye-sensor controlled on/off
AF-area mode Autofocus Automatic scene selection Aovie Metering Metering method Frame size (pixels) and frame rate Video compression Audio recording format Audio recording device ISO sensitivity Other options Aonitor Monitor	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in and modes TTL exposure metering using main image sensor Matrix • 1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 × 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59,94, 50, 29,97, 25, and 23,976 fps respectively; options support both thigh and normal image quality MOV H.264/MPEG-4 Advanced Video Coding Linear PCM Built-in or external stereo microphone; sensitivity adjustable ISO 100−25600 Time-lapse movies 8.1 cm/3.2-in. (3:2), approx. 1037k-dot (720 × 480 × 3 = 1,036,800 dots), TFT vari-angle LCD touch screen with 170° viewing angle, approx. 100% frame coverage, brightness adjustment, and eye-sensor controlled on/off Full-frame and thumbnail (4, 12, or 80 images or calendar) playback with playback zoom, playback zoom
AF-area mode Autofocus Automatic scene selection Aovie Metering Metering method Frame size (pixels) and frame rate Video compression Audio recording format Audio recording device ISO sensitivity Other options Aonitor Monitor	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in and modes TTL exposure metering using main image sensor Matrix • 1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 × 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps respectively; options support both high and normal image quality MOV H.264/MPEG-4 Advanced Video Coding Linear PCM Built-in or external stereo microphone; sensitivity adjustable ISO 100−25600 Time-lapse movies 8.1 cm/3.2-in. (3:2), approx. 1037k-dot (720 × 480 × 3 = 1,036,800 dots), TFT vari-angle LCD touch screen with 170° viewing angle, approx. 100% frame coverage, brightness adjustment, and eye-sensor controlled on/off
AF-area mode Autofocus Automatic scene selection Aovie Metering Metering method Frame size (pixels) and frame rate Video compression Audio recording format Audio recording device ISO sensitivity Other options Aonitor Monitor	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in and modes TTL exposure metering using main image sensor Matrix • 1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 × 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps respectively; options support both ★ high and normal image quality MOV H.264/MPEG-4 Advanced Video Coding Linear PCM Built-in or external stereo microphone; sensitivity adjustable ISO 100−25600 Time-lapse movies 8.1 cm/3.2-in. (3 : 2), approx. 1037k-dot (720 × 480 × 3 = 1,036,800 dots), TFT vari-angle LCD touch screen with 170° viewing angle, approx. 100% frame coverage, brightness adjustment, and eye-sensor controlled on/off Full-frame and thumbnail (4, 12, or 80 images or calendar) playback with playback zoom, playback zoom cropping, playback face zoom, movie playback, photo and/or movie slide shows, histogram display, highlights, photo information, location data display, auto image
AF-area mode Autofocus Automatic scene selection Aovie Metering Metering method Frame size (pixels) and frame rate Video compression Audio recording format Audio recording device ISO sensitivity Other options Aonitor Monitor	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in and modes TTL exposure metering using main image sensor Matrix • 1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 × 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps respectively; options support both ★ high and normal image quality MOV H.264/MPEG-4 Advanced Video Coding Linear PCM Built-in or external stereo microphone; sensitivity adjustable ISO 100−25600 Time-lapse movies 8.1 cm/3.2-in. (3: 2), approx. 1037k-dot (720 × 480 × 3 = 1,036,800 dots), TFT vari-angle LCD touch screen with 170° viewing angle, approx. 100% frame coverage, brightness adjustment, and eye-sensor controlled on/off Full-frame and thumbnail (4, 12, or 80 images or calendar) playback with playback zoom, playback zoom cropping, playback face zoom, movie playback, photo and/or movie slide shows, histogram display, highlights, photo information, location data display, auto image rotation, picture rating, and image comment (up to 36
AF-area mode Autofocus Automatic scene selection Aovie Metering Metering method Frame size (pixels) and frame rate File format Video compression Audio recording format Audio recording device ISO sensitivity Other options Aonitor Monitor Playback Playback	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in and modes TTL exposure metering using main image sensor Matrix • 1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 × 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps respectively; options support both ★ high and normal image quality MOV H.264/MPEG-4 Advanced Video Coding Linear PCM Built-in or external stereo microphone; sensitivity adjustable ISO 100−25600 Time-lapse movies 8.1 cm/3.2-in. (3 : 2), approx. 1037k-dot (720 × 480 × 3 = 1,036,800 dots), TFT vari-angle LCD touch screen with 170° viewing angle, approx. 100% frame coverage, brightness adjustment, and eye-sensor controlled on/off Full-frame and thumbnail (4, 12, or 80 images or calendar) playback with playback zoom, playback zoom cropping, playback face zoom, movie playback, photo and/or movie slide shows, histogram display, highlights, photo information, location data display, auto image
AF-area mode Autofocus Automatic scene selection Aovie Metering Metering method Frame size (pixels) and frame rate Video compression Audio recording format Audio recording device ISO sensitivity Other options Aonitor Monitor Playback Playback	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in and modes TTL exposure metering using main image sensor Matrix • 1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 × 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59,94, 50, 29,97, 25, and 23,976 fps respectively; options support both thigh and normal image quality MOV H.264/MPEG-4 Advanced Video Coding Linear PCM Built-in or external stereo microphone; sensitivity adjustable ISO 100−25600 Time-lapse movies 8.1 cm/3.2-in. (3: 2), approx. 1037k-dot (720 × 480 × 3 = 1,036,800 dots), TFT vari-angle LCD touch screen with 170° viewing angle, approx. 100% frame coverage, brightness adjustment, and eye-sensor controlled on/off Full-frame and thumbnail (4, 12, or 80 images or calendar) playback with playback zoom, playback zoom cropping, playback face zoom, movie playback, photo and/or movie slide shows, histogram display, highlights, photo information, location data display, auto image rotation, picture rating, and image comment (up to 36 characters)
AF-area mode Autofocus Automatic scene selection Aovie Metering Metering method Frame size (pixels) and frame rate Video compression Audio recording format Audio recording device ISO sensitivity Other options Aonitor Monitor Playback Playback	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in and modes TTL exposure metering using main image sensor Matrix • 1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 × 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps respectively; options support both ★ high and normal image quality MOV H.264/MPEG-4 Advanced Video Coding Linear PCM Built-in or external stereo microphone; sensitivity adjustable ISO 100−25600 Time-lapse movies 8.1 cm/3.2-in. (3 : 2), approx. 1037k-dot (720 × 480 × 3 = 1,036,800 dots), TFT vari-angle LCD touch screen with 170° viewing angle, approx. 100% frame coverage, brightness adjustment, and eye-sensor controlled on/off Full-frame and thumbnail (4, 12, or 80 images or calendar) playback with playback zoom, playback zoom cropping, playback face zoom, movie playback, photo and/or movie slide shows, histogram display, highlights, photo information, location data display, auto image rotation, picture rating, and image comment (up to 36 characters)
AF-area mode Autofocus Automatic scene selection Aovie Metering Metering method Frame size (pixels) and frame rate Video compression Audio recording format Audio recording device ISO sensitivity Other options Aonitor Monitor Playback Playback Interface USB	AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in and modes TTL exposure metering using main image sensor Matrix • 1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 × 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps respectively; options support both ★ high and normal image quality MOV H.264/MPEG-4 Advanced Video Coding Linear PCM Built-in or external stereo microphone; sensitivity adjustable ISO 100−25600 Time-lapse movies 8.1 cm/3.2-in. (3 : 2), approx. 1037k-dot (720 × 480 × 3 = 1,036,800 dots), TFT vari-angle LCD touch screen with 170° viewing angle, approx. 100% frame coverage, brightness adjustment, and eye-sensor controlled on/off Full-frame and thumbnail (4, 12, or 80 images or calendar) playback with playback zoom, playback zoom cropping, playback face zoom, movie playback, photo and/or movie slide shows, histogram display, highlights, photo information, location data display, auto image rotation, picture rating, and image comment (up to 36 characters) Hi-Speed USB with Micro-USB connector; connection to built-in USB port is recommended
AF-area mode Autofocus Automatic scene selection Movie Metering Metering method Frame size (pixels) and frame rate File format Video compression Audio recording format Audio recording device ISO sensitivity Other options Monitor Monitor Playback Playback Playback HDMI output	AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in and modes TTL exposure metering using main image sensor Matrix • 1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 × 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps respectively; options support both ★ high and normal image quality MOV H.264/MPEG-4 Advanced Video Coding Linear PCM Built-in or external stereo microphone; sensitivity adjustable ISO 100−25600 Time-lapse movies 8.1 cm/3.2-in. (3:2), approx. 1037k-dot (720 × 480 × 3 = 1,036,800 dots), TFT vari-angle LCD touch screen with 170° viewing angle, approx. 100% frame coverage, brightness adjustment, and eye-sensor controlled on/off Full-frame and thumbnail (4, 12, or 80 images or calendar) playback with playback zoom, playback zoom cropping, playback face zoom, movie playback, photo and/or movie slide shows, histogram display, highlights, photo information, location data display, auto image rotation, picture rating, and image comment (up to 36 characters) Hi-Speed USB with Micro-USB connector; connection to built-in USB port is recommended Type C HDMI connector
AF-area mode Autofocus Automatic scene selection Movie Metering Metering method Frame size (pixels) and frame rate File format Video compression Audio recording format Audio recording device ISO sensitivity Other options Monitor Monitor Playback Playback Playback HDMI output	AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in and modes TTL exposure metering using main image sensor Matrix • 1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 × 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps respectively; options support both ★ high and normal image quality MOV H.264/MPEG-4 Advanced Video Coding Linear PCM Built-in or external stereo microphone; sensitivity adjustable ISO 100−25600 Time-lapse movies 8.1 cm/3.2-in. (3 : 2), approx. 1037k-dot (720 × 480 × 3 = 1,036,800 dots), TFT vari-angle LCD touch screen with 170° viewing angle, approx. 100% frame coverage, brightness adjustment, and eye-sensor controlled on/off Full-frame and thumbnail (4, 12, or 80 images or calendar) playback with playback zoom, playback zoom cropping, playback face zoom, movie playback, photo and/or movie slide shows, histogram display, highlights, photo information, location data display, auto image rotation, picture rating, and image comment (up to 36 characters) Hi-Speed USB with Micro-USB connector; connection to built-in USB port is recommended
AF-area mode Autofocus Automatic scene selection Movie Metering Metering method Frame size (pixels) and frame rate File format Video compression Audio recording format Audio recording device ISO sensitivity Other options Monitor Monitor Playback Playback Playback HDMI output	(AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in and modes TTL exposure metering using main image sensor Matrix • 1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 × 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps respectively; options support both ★ high and normal image quality MOV H.264/MPEG-4 Advanced Video Coding Linear PCM Built-in or external stereo microphone; sensitivity adjustable ISO 100−25600 Time-lapse movies 8.1 cm/3.2-in. (3 : 2), approx. 1037k-dot (720 × 480 × 3 = 1,036,800 dots), TFT vari-angle LCD touch screen with 170° viewing angle, approx. 100% frame coverage, brightness adjustment, and eye-sensor controlled on/off Full-frame and thumbnail (4, 12, or 80 images or calendar) playback with playback zoom, playback zoom cropping, playback face zoom, movie playback, photo and/or movie slide shows, histogram display, highlights, photo information, location data display, auto image rotation, picture rating, and image comment (up to 36 characters) Hi-Speed USB with Micro-USB connector; connection to built-in USB port is recommended Type C HDMI connector • Wireless remote controllers: WR-1, WR-R10 (available separately) • Remote cords: MC-DC2 (available separately)
AF-area mode Autofocus Automatic scene selection Movie Metering Metering method Frame size (pixels) and frame rate File format Video compression Audio recording format Audio recording device ISO sensitivity Other options Monitor Monitor Playback Playback Interface USB HDMI output Accessory terminal	AF-F) • Manual focus (MF) Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) Available in and modes TTL exposure metering using main image sensor Matrix • 1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 × 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps respectively; options support both ★ high and normal image quality MOV H.264/MPEG-4 Advanced Video Coding Linear PCM Built-in or external stereo microphone; sensitivity adjustable ISO 100−25600 Time-lapse movies 8.1 cm/3.2-in. (3:2), approx. 1037k-dot (720 × 480 × 3 = 1,036,800 dots), TFT vari-angle LCD touch screen with 170° viewing angle, approx. 100% frame coverage, brightness adjustment, and eye-sensor controlled on/off Full-frame and thumbnail (4, 12, or 80 images or calendar) playback with playback zoom, playback zoom cropping, playback face zoom, movie playback, photo and/or movie slide shows, histogram display, ighlights, photo information, location data display, auto image rotation, picture rating, and image comment (up to 36 characters) Hi-Speed USB with Micro-USB connector; connection to built-in USB port is recommended Type C HDMI connector • Wireless remote controllers: WR-1, WR-R10 (available separately)

optional ME-1 stereo microphones

Wireless/Bluetooth			
Wireless/Bluetooth	• Standards: IEEE 802.11b, IEEE 802.11g		
wireless	• Standards: IEEE 802.11B, IEEE 802.11B • Operating frequency: 2412–2462 MHz (channels 1–11)		
	Maximum output power: 6.6 dBm (EIRP)		
	Authentication: Open system, WPA2-PSK		
Bluetooth	Communication protocols: Bluetooth Specification Version 4.1		
Diactootii	Operating frequency		
	Bluetooth: 2402–2480 MHz		
	Bluetooth Low Energy: 2402–2480 MHz		
	Maximum output power (EIRP)		
	Bluetooth: 4.6 dBm		
	Bluetooth Low Energy: 4.6 dBm		
Range (line of sight)	Approximately 10 m (32 ft) without interference; range		
,,	may vary with signal strength and presence or absence		
	of obstacles		
NFC			
Operation	NFC Forum Type 3 Tag		
•	13.56 MHz		
Operating frequency	13.30 MHZ		
Supported languages			
Supported languages	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 (Portugal and Brazil), Romanian,		
	Russian, Serbian, Spanish, Swedish, Tamil, Telugu, Thai,		
	Turkish, Ukrainian, Vietnamese		
Power source			
Battery	One EN-EL14a rechargeable Li-ion battery		
AC adapter	EH-5b/EH-5c AC adapter; requires EP-5A power		
	connector (available separately)		
Tripod socket			
Tripod socket	1/4 in. (ISO 1222)		
<u> </u>			
Dimensions/weight			
	Approx. 124 × 97 × 70 mm (4.9 × 3.9 × 2.8 in.)		
Weight	Approx. 465 g (1 lb 0.4 oz) with battery and memory card		
	but without body cap; approx. 415 g/14.7 oz (camera		
	body only)		
Operating environment			
Temperature	0 °C-40 °C (+32 °F-104 °F)		
Humidity	85% or less (no condensation)		
■ MH-24 Battery Ch	arger		
lated input	AC 100 – 240 V, 50/60 Hz, 0.2 A maximum		
lated output	DC 8.4 V/0.9 A		
· · · · · · · · · · · · · · · · · · ·			
upported batteries	Nikon EN-EL14a rechargeable Li-ion batteries		
harging time	Approx. 1 hour and 50 minutes at an ambient		
	temperature of 25 °C (77 °F) when no charge remains		
perating temperature	0 °C – 40 °C (+32 °F – 104 °F)		
Dimensions (W \times H \times D)	Approx. $70 \times 26 \times 97$ mm (2.8 × 1.0 × 3.8 in.), excluding		

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Rated input	AC 100 – 240 V, 50/60 Hz, 0.2 A maximum
Rated output	DC 8.4 V/0.9 A
Supported batteries	Nikon EN-EL14a rechargeable Li-ion batteries
Charging time	Approx. 1 hour and 50 minutes at an ambient temperature of 25 °C (77 °F) when no charge remains
Operating temperature	0 °C – 40 °C (+32 °F – 104 °F)
Dimensions (W \times H \times D)	Approx. $70 \times 26 \times 97$ mm (2.8 \times 1.0 \times 3.8 in.), excluding plug adapter
Weight	Approx. 96 g (3.4 oz), excluding plug adapter
	product represent the following:
	ll equipment (The construction of the product is double-
nsulated)	

■ EN-EL14a Rechargeable Li-ion Battery

Type Rechargeable lithium-ion battery	
Rated capacity 7.2 V/1230 mAh	
Operating temperature	0°C – 40 °C (+32 °F – 104 °F)
Dimensions (W \times H \times D)	Approx. $38 \times 53 \times 14$ mm $(1.5 \times 2.1 \times 0.6$ in.)
Weight	Approx. 49 g (1.7 oz), excluding terminal cover
Recycle rechargeable batteries in accord with local regulations, being sure to	

first insulate the terminals with tape

Battery Life The movie footage or number of shots that can be recorded with fullycharged batteries varies with the condition of the battery, temperature, the interval between shots, and the length of time menus are displayed Sample figures for EN-EL14a (1230 mAh) batteries are given below. Photographs, single-frame release mode (CIPA standard): Approximately

Movies: Approximately 70 minutes at 1080/60p

AF-P DX NIKKOR 18–55mm f/3.5–5.6G VR

a /ii / Dit /iiiiiiiii /o	, 33mm 1,3.5 3.00 th
Гуре	Type G AF-P DX lens with built-in CPU and F mount
Focal length	18 – 55 mm
Maximum aperture	f/3.5 – 5.6
ens construction	12 elements in 9 groups (2 aspherical lens elements)
Angle of view	76° – 28° 50′
Focal length scale	Graduated in millimeters (18, 24, 35, 45, 55)
Distance information	Output to camera
Zoom	Manual zoom using independent zoom ring
Focusing	Autofocus controlled by stepping motor; separate focus ring for manual focus
libration reduction	Lens shift using voice coil motors (VCMs)
Minimum focus distance	0.25 m (0.9 ft) from focal plane at all zoom positions
Diaphragm blades	7 (rounded diaphragm opening)
Diaphragm	Fully automatic
Aperture range	• 18 mm focal length: f/3.5–22 • 55 mm focal length: f/5.6–38 The minimum aperture displayed may vary depending on the size of the exposure increment selected with the camera.
Metering	Full aperture
Filter-attachment size	55 mm (P = 0.75 mm)
Dimensions	Approx. 64.5 mm maximum diameter × 62.5 mm (distance from camera lens mount flange when lens is retracted)

Approx. 205 g (7.3 oz)

■■ AF-P DX NIKKOR 70-300mm f/4.5-6.3G ED VR and AF-P DX NIKKOR 70-300mm f/4.5-6.3G ED

Type G AF-P DX lens with built-in CPU and F mount
70 – 300 mm
f/4.5 - 6.3
14 elements in 10 groups (including 1 ED lens element)
22° 50′ – 5° 20′
Graduated in millimeters (70, 100, 135, 200, 300)
Output to camera
Manual zoom using independent zoom ring
Autofocus controlled by stepping motor; separate focus ring for manual focus
Lens shift using vo ice c oil m otors (VCMs)
1.1 m (3.7 ft) from focal plane at all zoom positions
7 (rounded diaphragm opening)
Fully automatic
• 70 mm focal length: f/4.5–22 • 300 mm focal length: f/6.3–32 The minimum aperture displayed may vary depending on the size of the exposure increment selected with the camera.
Full aperture
58 mm (P = 0.75 mm)
Approx. 72 mm maximum diameter \times 125 mm (distance from camera lens mount flange)
 AF-P DX NIKKOR 70–300mm f/4.5–6.3G ED VR: Approx. 415 g (14.7 oz) AF-P DX NIKKOR 70–300mm f/4.5–6.3G ED: Approx. 400 g (14.2 oz)

III AF-S DX NIKKOR 18-140mm f/3.5-5.6G ED VR

Туре	Type G AF-S DX lens with built-in CPU and F mount
Focal length	18 – 140 mm
Maximum aperture	f/3.5 - 5.6
Lens construction	17 elements in 12 groups (including 1 ED lens element, 1 aspherical lens element)
Angle of view	76° – 11° 30′
Focal length scale	Graduated in millimeters (18, 24, 35, 50, 70, 140)
Distance information	Output to camera
Zoom	Manual zoom using independent zoom ring
Focusing	Nikon Internal Focusing (IF) System with autofocus controlled by Silent Wave Motor and separate focus ring for manual focus
Vibration reduction	Lens shift using voice coil motors (VCMs)
Minimum focus distance	0.45 m (1.48 ft) from focal plane at all zoom positions
Diaphragm blades	7 (rounded diaphragm opening)
Diaphragm	Fully automatic
Aperture range	• 18 mm focal length: f/3.5–22 • 140 mm focal length: f/5.6–38 The minimum aperture displayed may vary depending on the size of the exposure increment selected with the camera.
Metering	Full aperture
Filter-attachment size	67 mm (P = 0.75 mm)
Dimensions	Approx. 78 mm maximum diameter × 97 mm (distance from camera lens mount flange)
Weight	Approx. 490 g (17.3 oz)

- Unless otherwise stated, all measurements are performed in conformity with Camera and Imaging Products Association (CIPA) standards or auidelines.
- All figures are for a camera with a fully-charged battery.

any mistakes that this manual may contain.

The sample images displayed on the camera and the images and illustrations in the manual are for expository purposes only. Nikon reserves the right to change the appearance and specifications of the hardware and software described in this manual at any time and without prior notice. Nikon will not be held liable for damages that may result from

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■ Conformity Marking

The standards with which the camera complies can be viewed using the **Conformity marking** option in the setup menu.

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For Your Safety

To prevent damage to property or injury to yourself or to others, read "For Your Safety" in its entirety before using this product

Keep these safety instructions where all those who use this product will read them

⚠ DANGER: Failure to observe the precautions marked with this icon carries a high risk of death or severe injury. MARNING: Failure to observe the precautions marked with this icon could result in

⚠ CAUTION: Failure to observe the precautions marked with this icon could result in injury or property damage.

/!\ WARNING

• Do not use while walking or operating a motor vehicle.
Failure to observe this precaution could result in accidents or other injury.

death or severe injury.

or plugged in.

• Do not disassemble or modify this product. Do not touch internal parts that

become exposed as the result of a fall or other accident. Failure to observe these precautions could result in electric shock or other injury. Should you notice any abnormalities such as the product producing smoke,

heat, or unusual odors, immediately disconnect the battery or power source. Continued operation could result in fire, burns or other injury.

· Keep dry. Do not handle with wet hands. Do not handle the plug with wet hands. ailure to observe these precautions could result in fire or electric shoc • Do not let your skin remain in prolonged contact with this product while it is on

Failure to observe this precaution could result in low-temperature burns. • Do not use this product in the presence of flammable dust or gas such as

propane, gasoline or aerosols. Failure to observe this precaution could result in explosion or fire

• Do not directly view the sun or other bright light source through the lens or camera.

• Do not aim the flash or AF-assist illuminator at the operator of a motor vehicle. ailure to observe this precaution could result in accidents

 Keep this product out of reach of children. Failure to observe this precaution could result in injury or product malfunction. In addition, note that small parts constitute a choking hazard. Should a child swallow

any part of this product, seek immediate medical attention.

Do not entangle, wrap or twist the straps around your neck Failure to observe this precaution could result in accident

designated for use with this product, do not:

 Do not use batteries, chargers, or AC adapters not specifically designated for use with this product. When using batteries, chargers, and AC adapters

Damage, modify, forcibly tug or bend the cords or cables, place them under heavy objects, or expose them to heat or flame. Use travel converters or adapters designed to convert from one voltage to

another or with DC-to-AC inverters.

Failure to observe these precautions could result in fire or electric shock. Do not handle the plug when charging the product or using the AC adapter

Failure to observe this precaution could result in electric shock.

Do not handle with bare hands in locations exposed to extremely high or low

Failure to observe this precaution could result in burns, or frostbite

 Do not leave the lens pointed at the sun or other strong light sources. Light focused by the lens could cause fire or damage to product's internal parts. When shooting backlit subjects, keep the sun well out of the frame. Sunlight focused into the camera when the sun is close to the frame could cause fire

• Turn this product off when its use is prohibited. Disable wireless features when the use of wireless equipment is prohibited.

The radio-frequency emissions produced by this product could interfere with equipment onboard aircraft or in hospitals or other medical facilities. Remove the battery and disconnect the AC adapter if this product will not be

used for an extended period. Failure to observe this precaution could result in fire or product malfunction.

Do not touch moving parts of the lens or other moving parts.

Failure to observe this precaution could result in injury.

• Do not fire the flash in contact with or in close proximity to the skin or objects. Failure to observe this precaution could result in burns or fire.

· Do not leave the product where it will be exposed to extremely high temperatures, for an extended period such as in an enclosed automobile or in direct sunlight. Failure to observe this precaution could result in fire or product malfunction

/!\ DANGER (Batteries)

• Do not mishandle batteries.
Failure to observe the following precautions could result in the batteries leaking, rerheating, rupturing, or catching fire:

- Use only rechargeable batteries approved for use in this product. Do not expose batteries to flame or excessive hear

Do not short-circuit the terminals by touching them to necklaces, hairpins, or other metal objects.

Do not expose batteries or the products in which they are inserted to powerful physical shocks.

• Do not attempt to recharge EN-EL14a rechargeable batteries using chargers not specifically designated for this purpose Failure to observe this precaution could result in the batteries leaking, overheating,

rupturing, or catching fire. If battery liquid comes into contact with the eyes, rinse with plenty of clean

water and seek immediate medical attentio Delaying action could result in eye injuries.

/! WARNING (Batteries)

 Keep batteries out of reach of children. Should a child swallow a battery, seek immediate medical attention

 Do not immerse batteries in water or expose to rain. Failure to observe this precaution could result in fire or product malfunction. Immediately dry the product with a towel or similar object should it become wet.

 Discontinue use immediately should you notice any changes in the batteries, such as discoloration or deformation. Cease charging EN-EL14a rechargeable batteries if they do not charge in the specified period of time. Failure to observe these precautions could result in the batteries leaking, overheating, rupturing, or catching fire.

Prior to disposal, insulate battery terminals with tape.

verheating, rupture, or fire may result should metal objects come into contact with the terminals. Recycle or dispose of batteries in accord with local regulations. If battery liquid comes into contact with a person's skin or clothing, immediately

rinse the affected area with plenty of clean water Failure to observe this precaution could result in skin irritation

Notices

· No part of the manuals included with this product may be reproduced, transmitted transcribed, stored in a retrieval system, or translated into any language in any form, by any means, without Nikon's prior written permission.

 Nikon reserves the right to change the appearance and specifications of the hardware and software described in these manuals at any time and without prior notice. Nikon will not be held liable for any damages resulting from the use of this product. While every effort has been made to ensure that the information in these manuals is accurate and complete, we would appreciate it were you to bring any errors or omissions to the attention of the Nikon representative in your area (address provided separately).

Notice for Customers in Canada CAN ICES-3 B / NMB-3 B

Notices for Customers in Europe

CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

This symbol indicates that electrical and electronic equipment is to be collected separately.

The following apply only to users in European countries • This product is designated for separate collection at an appropriate collection point. Do not dispose of as household waste. Separate collection and recycling helps conserve natural resources and

prevent negative consequences for human health and the environment that might result from incorrect disposal. For more information, contact the retailer or the local authorities in

charge of waste management

This symbol on the battery indicates that the battery is to be collected

separately. The following apply only to users in European countries • All batteries, whether marked with this symbol or not, are designated for

separate collection at an appropriate collection point. Do not dispose of

as household waste. For more information, contact the retailer or the local authorities in

charge of waste manageme Notices for Customers in the U.S.A.

The Battery Charge

IMPORTANT SAFETY INSTRUCTIONS—SAVE THESE INSTRUCTIONS DANGER—TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY **FOLLOW THESE INSTRUCTIONS**

For connection to a supply not in the U.S.A., use an attachment plug adapter of the proper configuration for the power outlet if needed. This power unit is $% \left(1\right) =\left(1\right) \left(1\right) \left($ ntended to be correctly oriented in a vertical or floor mount position.

Federal Communications Commission (FCC) Radio Frequency Interference Statemen



D5600

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the

nterference by one or more of the following measures: Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver. • Connect the equipment into an outlet on a circuit different from that to which the

· Consult the dealer or an experienced radio/television technician for help.

CAUTIONS

Interface Cables

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Nikon Corporation may void the user's authority to operate the equipment.

Use the interface cables sold or provided by Nikon for your equipment. Using other nterface cables may exceed the limits of Class B Part 15 of the FCC rules

Nikon Inc., 1300 Walt Whitman Road, Melville, New York 11747-3064, U.S.A.

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Comply with copyright notices

Under copyright law, photographs or recordings of copyrighted works made with the camera can not be used without the permission of the copyright holder. Exceptions apply to personal use, but note that even personal use may be restricted in the case of photographs or recordings of exhibits or live performances.

Disposing of Data Storage Devices

lease note that deleting images or formatting memory cards or other data storage devices does not completely erase the original image data. Deleted files can sometimes be recovered from discarded storage devices using commercially available software, potentially resulting in the malicious use of personal image data. Ensuring he privacy of such data is the user's responsibility.

Before discarding a data storage device or transferring ownership to another person, erase all data using commercial deletion software, or format the device and then completely refill it with images containing no private information (for example, pictures of empty sky). Be sure to also replace any pictures selected for preset manual Before discarding the camera or transferring ownership to another person, you should also use the Wi-Fi > Reset connection settings option in the camera setup menu to delete any personal network information. Care should be taken to avoid

AVC Patent Portfolio License

This product is licensed under the AVC patent portfolio license for the personal and non-COMMERCIAL USE OF A CONSUMER TO (i) ENCODE VIDEO IN COMPLIANCE WITH THE AVC STANDARD ("AVC VIDEO") AND/OR (ii) DECODE AVC VIDEO THAT WAS ENCODED BY A CONSUMER ENGAGED IN A PERSONAL AND ON-COMMERCIAL ACTIVITY AND/OR WAS OBTAINED FROM A VIDEO PROVIDER LICENSED TO PROVIDE AVC VIDEO. NO LICENSE IS GRANTED OR SHALL BE IMPLIED FOR ANY OTHER USE. ADDITIONAL INFORMATION MAY BE OBTAINED FROM MPEG LA, L.L.C. SEE http://www.mpegla.com

Use Only Nikon Brand Electronic Accessories

Nikon cameras are designed to the highest standards and include complex electronic circuitry. Only Nikon brand electronic accessories (including chargers, batteries, AC adapters, and flash accessories) certified by Nikon specifically for use with this Nikon digital camera are engineered and proven to operate within the operational and safety requirements of this electronic circuitry.

The use of non-Nikon electronic accessories could damage the camera and may void your Nikon warranty. The use of third-party rechargeable Li-ion batteries not bearing the Nikon holographic

seal shown at right could interfere with normal operation of the camera or result in the batteries overheating, igniting, rupturing, or leaking. For more information about Nikon brand accessories, contact a local authorized

Use Only Nikon Brand Accessories

Only Nikon brand accessories certified by Nikon specifically for use with your Nikon digital camera are engineered and proven to operate within ts operational and safety requirements. The USE OF NON-NIKON ACCESSORIES could damage your camera and may void your Nikon warranty.

Before Taking Important Pictures

Before taking pictures on important occasions (such as at weddings or before taking the camera on a trip), take a test shot to ensure that the camera is functioning normally. Nikon will not be held liable for damages or lost profits that may result from product malfunction.

Life-Long Learning

As part of Nikon's "Life-Long Learning" commitment to ongoing product support and education, continually-updated information is available on-line at the following sites:

For users in the U.S.A.: http://www.nikonusa.com/

For users in Europe and Africa: http://www.europe-nikon.com/support/

For users in Asia, Oceania, and the Middle East: http://www.nikon-asia.com/ Visit these sites to keep up-to-date with the latest product information, tips, answers to frequently-asked questions (FAQs), and general advice on digital imaging and photography. Additional information may be available from the Nikon representative in your area. See the following URL for contact information: http://imaging.nikon.com/

Bluetooth and Wi-Fi (Wireless LAN)

This product is controlled by the United States Export Administration Regulations (EAR). The permission of the United States government is not required for export to countries other than the following, which as of this writing are subject to embargo or special controls: Cuba, Iran, North Korea, Sudan, and Syria (list subject to change). The use of wireless devices may be prohibited in some countries or regions. Contact a Nikon-authorized service representative before using the wireless features of this product outside the country of purchase.

Notice for Customers in the U.S.A. and Canada

This device complies with Part 15 of FCC Rules and Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Nikon Corporation may void the user's

authority to operate the equipment FCC Radio Frequency Interference Statement Note: This equipment has been tested and found to comply with the limits for a

Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause narmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the

- interference by one or more of the following measures:
- Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the

· Consult the dealer or an experienced radio/TV technician for help.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitte

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FCC/IC RF Exposure Statemen The available scientific evidence does not show that any health problems are associated with using low power wireless devices. There is no proof, however, that these low power wireless devices are absolutely safe. Low power wireless devices emit low levels of radio frequency energy (RF) in the microwave range while being used. Whereas high levels of RF can produce health effects (by heating tissue), exposure of low-level RF that does not produce heating effects causes no known adverse health effects. Many studies of low-level RF exposures have not found any biological effects. Some studies have suggested that some biological effects might occur, but such findings have not been confirmed by additional research. The D5600, which is equipped with a LBEE5UW1FS (FCC ID:VPYLB1FS / IC ID:772C-LB1FS) Wireless LAN Module, has been tested and found to comply with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. Please refer to the SAR test report that was uploaded to FCC

Notices for Customers in Europe

Hereby, Nikon Corporation declares that the radio equipment type D5600 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

http://imaging.nikon.com/support/pdf/DoC_D5600.pdf

abels not affixed to the device is given below

Notice for Customers in Singapore

Trade Name: **Nikon** Model: D5600

DA103423

Notice for Customers in Jordan TRC/SS/2016/432

Complies with

Notice for Customers in the United Arab Emirates REGISTERED No: ER45171/16

DEALER No:

DA39487/15

Security Although one of the benefits of this product is that it allows others to freely connect for the wireless exchange of data anywhere within its range, the following may occur

This device complies with radio-frequency regulations. The content of certification

IDs, passwords, and other personal information Unauthorized access: Unauthorized users may gain access to the network and alter data or perform other malicious actions. Note that due to the design of wireless

enabled. Unsecured networks: Connecting to open networks may result in unauthorized

if security is not enabled: Data theft: Malicious third-parties may intercept wireless transmissions to steal user

networks, specialized attacks may allow unauthorized access even when security is

access. Use secure networks only.