

**REPUBLIC OF THE PHILIPPINES** 

DEPARTMENT OF BUDGET AND MANAGEMENT

GENERAL SOLANO STREET, SAN MIGUEL, MANILA

# **REQUEST FOR QUOTATION**

The Department of Budget and Management (DBM), through its Administrative Service (AS), will undertake a Small Value Procurement for the "Supply, Delivery, and Testing of Two (2) units of DSLR Camera" in accordance with Section 53.9 of the Implementing Rules and Regulations of Republic Act No. 9184.

Name of Project	:	"Supply, Delivery, and Testing of Two (2) units of DSLR Camera"
Approved Budget for	:	"One Hundred Thirty Three Thousand Pesos" (Php133,000)
Specifications	:	See the attached Annex "A" for specifications
Location	:	G/F DBM Building III, Gen. Solano St., San Miguel, Manila
Delivery Term	:	Within Thirty (30) calendar days from receipt of the Notice to Proceed

Interested suppliers are required to submit their valid and current Mayor's Permit, 2016 Income/Business Tax Return, PhilGEPS Registration Number, Omnibus Sworn Statement, and price quotation form (Annex "A") during submission of offer/quotation.

Award of contract shall be made to the lowest quotation, which complies with the minimum description as stated above and other terms and conditions stated in the price quotation form.

Any interlineations, erasures or overwriting shall be valid only if they are signed or initialed by the bidder or his/her duly authorized representative/s.

Submission of quotation and eligibility documents is on or before 3:00 p.m. of **February 07, 2018** at the Administrative Service, Ground Floor, DBM Bldg. III, Gen. Solano St., San Miguel, Manila. Open submission may be submitted, manually or through facsimile at fax no. 735-1957.

For inquiry, you may contact us at tel. nos. 657-3300 local 3115 / 3117.

Very truly yours,

RYAN Director IV, Administrative Service

## PRICE QUOTATION FORM

Date:

The Administrative Service Department of Budget and Management Ground Floor, DBM Bldg. III, Gen. Solano Street, San Miguel, Manila

Sir/Madam:

After having carefully read and accepted the terms and conditions in the Request for Quotation, hereunder is our quotation/s for the item/s as follows:

Description	Specification	Quan tity	Unit Price	Total Price
Supply,	A. DSLR Camera 1 (Body only)	*L		
Delivery, and	Camera Specifications			
resting of	Type: Single-lens reflex digital			
Two (2) units	camera			
of DSLR	Lens mount: F mount (with AF			
Camera	coupling and AF contacts)			
	Effective pixels: 24.3 million			
	Image sensor: 35.9 x 24.0 mm			
	CMOS sensor (FX format) -			
	Total pixels: 24.7 million	ſ	-	
	Dust-reduction system: Image			
	sensor cleaning, Image Dust Off			
	reference data (optional Capture			
	NX 2 software required)			
	Storage			
	Image size (pixels):			
	- FX format (36x24): 6,016 x			
	4,016 (L), 4,512 × 3,008 (M),			
	3,008 × 2,008 (S)			
	- DX format (24x16): 3,936 x			
	2,624 (L), 2,944 × 1,968 (M),			
	1,968 x 1,312 (S)			
	- FX-format photographs taken in			
	movie live view: 6,016 x 3,376			
	(L), 4,512 × 2,528 (M), 3,008 ×			
	1,688 (S)			
	- DX-format photographs taken in			
	movie live view: 3,936 x 2,224			
	(L), 2,944 × 1,664 (M), 1,968 ×			
	1,112 (S)	ĺ		
	<ul> <li>File format:</li> </ul>			
	- NEF (RAW): 12 or 14 bit,			

r			
	lossless compressed or		
	compressed		
	- JPEG: JPEG-Baseline compliant		
	with fine (approx. 1:4), norma		
Ì	(approx. 1:8) or basic (approx.		
	1:16) compression (Size		
	priority); Optimal quality		
	compression available		
	- NEF (RAW)+JPEG: Single		
	photograph recorded in both		
	NEF (RAW) and JPEG formats		
	<ul> <li>Picture Control System:</li> </ul>		
ĺ	Standard, Neutral, Vivid,		
	Monochrome, Portrait,		
	Landscape; selected Picture		
	Control can be modified;		
	storage for custom Picture		
	Controls		
	Media: SD (Secure Digital) and		
	UHS-I compliant SDHC and		
	SDXC memory cards	•	
	Dual card slots: Slot 2 can be		
	used for overflow or backup		
	storage or for separate		
	storage of copies created		
	using NEF+JPEG; pictures can		
	be copied between cards		
	File System: DCF (Design Rule		
	for Camera File System) 2.0,		
	DPOF (Digital Print Order		
	Format), Exif (Exchangeable		Í
	Image File Format for Digital		
	Still Cameras) 2.3, PictBridge		
	View Finder		
	<ul> <li>View Finder: Eye-level</li> </ul>		
	pentaprism single-lens reflex viewfinder		
	Frame coverage:		
	- FX (36x24): Approx. 100%		
	horizontal and 100% vertical		
	- DX (24x16): Approx. 97%		
	horizontal and 97% vertical		
	Magnification: Approx. 0.7x (50)		
	mm f/1.4 lens at infinity, -1.0 m		
	> Eyepoint: 21 mm (-1.0 m <sup>-1</sup> ;		
	from center surface of		
	viewfinder eyepiece lens)		
		<u> </u>	

	$\sum_{i=1}^{n} Diopter adjustment: -3 to +1 m$	
	Focusing screen: Type B	
	BriteView Clear Matte Mark VIII	
	screen with AF area brackets	
	(framing grid can be displayed)	Í
	Reflex mirror: Quick return	
	Depth-of-field preview: Pressing	
	depth-of-field preview button	
	stops lens aperture down to	
	value selected by user (A and M	
	modes) or by camera (other	
	modes)	
	Lens aperture: Instant return,	
	electronically controlled	
	• Lens	
e.	Compatible lenses: Compatible	
	with AF NIKKOR lenses,	
	including type G,E and D lenses	
	(some restrictions apply to PC	
	lenses), DX lenses [using DX	
	(24x16) image area], AI-P	
	NIKKOR lenses, and non-CPU AI	
	lenses (A and M modes only);	
	IX-NIKKOR lenses, lenses for	
	the F3AF, and non-AI lenses	
	cannot be used. The electronic	
	rangefinder can be used with	
	lenses that have a maximum	
	aperture of f/5.6 or faster (the	
	electronic rangefinder supports	
	the center 7 focus points with	
	lenses that have a maximum	
	aperture of f/8 or faster and the	
	center 33 focus points with	
	lenses that have a maximum	
	aperture of f/6.8 or faster)	
	• Shutter	,
	Type: Electronically-controlled vortical travel facel plane	
	vertical-travel focal-plane shutter	
	Speed: 1/4,000 to 30 s in steps	
	of 1/3 or 1/2 EV, bulb, time	
	(requires optional ML-L3	
	Remote Control), X200	Ì
	Flash sync speed: X=1/200 s;	
	synchronizes with shutter at	
l	1/250 s or slower (flash range	

<ul> <li>drops at speeds between 1/200 and 1/250 s)</li> <li>Release</li> <li>Release</li> <li>Release Modes: S (single frame), CL (continuous how speed), CH (continuous high speed), Q (quiet shutter- release), QC (quiet continuous shutter-release), O (self- timer), an (remote control), MUP (mirror up)</li> <li>Frame advance rate: Approx. 1 to 5 fps (CL), approx. 6 fps (CH) or 3 fps (QC)</li> <li>Self-timer: 2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2 or 3 s</li> <li>Remote release modes: Delayed remote, quick-response remote, remote mirror-up</li> <li>Exposure</li> <li>Metering: TTL exposure metering using 2,016-pixel RGB sensor</li> <li>Metering: TTL exposure metering using 2,016-pixel RGB sensor</li> <li>Metering: TTL exposure metering using 2,016-pixel RGB sensor</li> <li>Metering thethod: Matrix: 3D color matrix metering available with non-CPU lenses); color matrix metering II (other CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data</li> <li>Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame)</li> <li>Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>			
<ul> <li>Release</li> <li>Release Modes: S (single frame), CL (continuous low speed), QI (quiet shutter- release), QC (quiet continuous shutter-release), QC (self- timer), m (remote control), MUP (miror up)</li> <li>Frame advance rate: Approx. 1 to 5 fys (CL), approx. 6 fps (CH) or 3 fps (QC)</li> <li>Self-timer: 2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2 or 3 s</li> <li>Remote release modes: Delayed remote, quick-response remote, remote miror-up</li> <li>Exposure</li> <li>Metering: TTL exposure metering using 2,016-pixel RGB sensor</li> <li>Metering: TTL exposure metering using 2,016-pixel RGB sensor</li> <li>Metering: TTL exposure metering using 2,016-pixel RGB sensor</li> <li>Metering: TTL exposure metering usilable with non-CPL lenses); color matrix metering available with non-CPL lenses if user provides lens data</li> <li>Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of dircle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12- mm circle or average of entire frame)</li> <li>Spot: Meters 4-mm circle (about 1,5% of frame) centered on selected focus point (on center focus point when non-CPU lense used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>			
<ul> <li>Release Modes: S (single frame), CL (continuous low speed), CI (continuous high speed), Q (quiet shutter- release), Q (quiet continuous shutter-release), Ø (self- timer), pa (remote control), MUP (mirror up)</li> <li>Frame advance rate: Approx. 1 to 5 fps (CL), approx. 6 fps (CH) or 3 fps (QC)</li> <li>Self-timer: 2, 5, 5, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2 or 3 s</li> <li>Remote release modes: Delayed remote, quick-response remote, remote mirror-up</li> <li>Exposure</li> <li>Metering: TTL exposure metering using 2,016-pixel RGB sensor</li> <li>Metering available with non-CPU lenses); color matrix metering II (type G,E and D lenses); color matrix metering II (other CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data</li> <li>Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (no-CPU lense use 12- mm circle or average of entire frame)</li> <li>Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>			
frame). CL (continuous low speed), Q (quiet continuous shutter-release), Q (self- timer), ∞ (remote control), MUP (mirror up)         > Frame advance rate: Approx. 1 to 5 fps (CL), approx. 6 fps (CH) or 3 fps (QC)         > Self-timer: 2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2 or 3 s         > Remote release modes: Delayed remote, quick-response remote, remote quick-response remote, remote mirror-up         • Exposure         > Metering: TTL exposure metering using 2,016-pixel RGB sensor         > Metering TL exposure metering using 2,016-pixel RGB sensor         > Metering is using 2,016-pixel RGB sensor         > Metering is using 2,016-pixel RGB sensor         > Metering wethod: - Matrix: 3D color matrix metering available with non-CPU lenses; color matrix metering II (other CPU lenses); color matrix metering available with non-CPU lenses in user provides lens data         - Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12- mm circle or average of entire frame)         > Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)         > Range: (ISO 100, f/1.4 lens, 20°C/68°F)			
<ul> <li>speed), CH (continuous high speed), Q (quiet shutter-release), QC (quiet continuous shutter-release), QC (quiet continuous shutter-release), QC (quiet control), MUP (mirror up)</li> <li>Frame advance rate: Approx. 1 to 5 fps (CL), approx. 6 fps (CH) or 3 fps (QC)</li> <li>Self-timer: 2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2 or 3 s</li> <li>Remote release modes: Delayed remote, quick-response remote, remote mirror-up</li> <li><b>Exposure</b></li> <li>Metering: TTL exposure metering using 2,016-pixel RGB sensor</li> <li>Metering method:</li> <li>Matrix: 3D color matrix metering II (type G,E and D lenses); color matrix metering available with non-CPL lenses; color matrix metering available with non-CPL lenses if user provides lens data</li> <li>Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12-mm circle or average of entire frame)</li> <li>Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point when non-CPU lense is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>			
<ul> <li>speed), Q (quiet shutter- release), QC (quiet continuous shutter-release), Ø (self- timer), øn (remote control), MUP (mirror up)</li> <li>Frame advance rate: Approx. 1 to 5 fps (CL), approx. 6 fps (CH) or 3 fps (QC)</li> <li>Self-timer: 2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2 or 3 s</li> <li>Remote release modes: Delayed remote, quick-response remote, remote mirror-up</li> <li><b>Exposure</b></li> <li>Metering: TTL exposure metering using 2,016-pixel RGB sensor</li> <li>Metering in try by G, E and D lenses); color matrix metering II (type G, E and D lenses); color matrix metering available with non-CPU lenses it user provides lens data</li> <li>Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12- mm dircle or average of entire frame)</li> <li>Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (bon center focus point when non-CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>			
<ul> <li>release), QC (quiet continuous shutter-release), S (self-timer), <i>m</i> (remote control), MUP (mirror up)</li> <li>Frame advance rate: Approx. 1 to 5 fps (CL), approx. 6 fps (CH) or 3 fps (QC)</li> <li>Self-timer: 2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2 or 3 s</li> <li>Remote release modes: Delayed remote, quick-response remote, remote mirror-up</li> <li><b>Exposure</b></li> <li>Metering: TTL exposure metering using 2,016-pixel RGB sensor</li> <li>Metering method:</li> <li>Matrix: 3D color matrix metering II (type G,E and D lenses); color matrix metering II (type G,E and D lenses); color matrix metering using available with non-CPu lenses if user provides lens data</li> <li>Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12-mm circle or average of entire frame (non-CPU lenses use 12-mm circle or average of entire frame (non-CPU lenses use 12-mm circle or average of entire frame)</li> <li>Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (non center focus point when non-CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C(68°F)</li> </ul>			
<ul> <li>shutter-release), &amp; (self-timer), m (remote control), MUP (mirror up)</li> <li>Frame advance rate: Approx. 1 to 5 fps (CJ), approx. 6 fps (CH) or 3 fps (QC)</li> <li>Self-timer: 2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2 or 3 s</li> <li>Remote release modes: Delayed remote, quick-response remote, remote micror-up</li> <li><b>Exposure</b></li> <li>Metering: TTL exposure metering using 2,016-pixel RGB sensor</li> <li>Metering method:</li> <li>Matrix: 3D color matrix metering II (type G,E and D lenses); color matrix metering II (type G,E and D lenses); color matrix metering II (type G,E and D lenses); color matrix metering is using available with non-CPU lenses if user provides lens data</li> <li>Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12-mm circle or average of entire frame (non-CPU lenses use 12-mm circle or average of entire frame)</li> <li>Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point when non-CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>			
<ul> <li>timer), ∞ (remote control), MUP (mirror up)</li> <li>Frame advance rate: Approx. 1 to 5 fps (CL), approx. 6 fps (CH) or 3 fps (QC)</li> <li>Self-timer: 2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2 or 3 s</li> <li>Remote release modes: Delayed remote, quick-response remote, remote mirror-up</li> <li>Exposure</li> <li>Metering: TTL exposure metering using 2,016-pixel RGB sensor</li> <li>Metering method: <ul> <li>Matrix: 3D color matrix metering II (type G,E and D lenses); color matrix metering valiable with non-CPU lenses if user provides lens data</li> <li>Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12- mm circle or average of entire frame)</li> <li>Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul> </li> </ul>			
<ul> <li>MUP (mirror up)</li> <li>&gt; Frame advance rate: Approx. 1 to 5 fps (CL), approx. 6 fps (CH) or 3 fps (QC)</li> <li>&gt; Self-timer: 2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2 or 3 s</li> <li>&gt; Remote release modes: Delayed remote, quick-response remote, remote mirror-up</li> <li>• Exposure</li> <li>&gt; Metering: TTL exposure metering using 2,016-pixel RGB sensor</li> <li>&gt; Metering method:</li> <li>• Matrix: 3D color matrix metering II (type G, E and D lenses); color matrix metering II (other CPU lenses); color matrix, metering available with non-CPU lenses j: color matrix metering II (other CPU lenses); color matrix</li> <li>• Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12- mm circle) average of entire frame (non-CPU lenses use 12- mm circle or average of entire frame)</li> <li>&gt; Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>&gt; Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>			
<ul> <li>Frame advance rate: Approx. 1 to 5 fps (CL), approx. 6 fps (CH) or 3 fps (QC)</li> <li>Self-timer: 2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2 or 3 s</li> <li>Remote release modes: Delayed remote, quick-response remote, remote mirror-up</li> <li>Exposure</li> <li>Metering: TTL exposure metering using 2,016-pixel RGB sensor</li> <li>Metering method:</li> <li>Matrix: 3D color matrix metering II (type G,E and D lenses); color matrix metering II (other CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data</li> <li>Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12- mm circle or average of entire frame)</li> <li>Spot: Meters 4-mm circle (about 1,5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>			
<ul> <li>to 5 fps (CL), approx. 6 fps (CH) or 3 fps (QC)</li> <li>&gt; Self-fitmer: 2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2 or 3 s</li> <li>&gt; Remote release modes: Delayed remote, quick-response remote, remote mirror-up</li> <li>Exposure</li> <li>&gt; Metering: TTL exposure metering using 2,016-pixel RGB sensor</li> <li>&gt; Metering method:</li> <li>Matrix: 3D color matrix metering II (type G,E and D lenses); color matrix metering II (other CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data</li> <li>- Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12- mm circle or average of entire frame)</li> <li>&gt; Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>&gt; Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>			
<ul> <li>(CH) or 3 fps (QC)</li> <li>&gt; Self-time:: 2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2 or 3 s</li> <li>&gt; Remote release modes: Delayed remote, quick-response remote, remote mirror-up</li> <li><b>Exposure</b></li> <li>&gt; Metering: TTL exposure metering using 2,016-pixel RGB sensor</li> <li>&gt; Metering method:</li> <li>Matrix: 3D color matrix metering II (type G,E and D lenses); color matrix metering available with non-CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data</li> <li>Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12- mm circle or average of entire frame)</li> <li>&gt; Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>&gt; Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>		Frame advance rate: Approx. 1	
<ul> <li>Self-timer: 2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2 or 3 s</li> <li>Remote release modes: Delayed remote, quick-response remote, remote mirror-up</li> <li>Exposure</li> <li>Metering: TTL exposure metering using 2,016-pixel RGB sensor</li> <li>Metering method:         <ul> <li>Matrix: 3D color matrix metering II (type G,E and D lenses); color matrix metering II (other CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data</li> <li>Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12- mm circle or average of entire frame)</li> </ul> </li> <li>Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>			
b       9 exposures at intervals of 0.5, 1, 2 or 3 s         >       Remote release modes: Delayed remote, quick-response remote, remote mirror-up         •       Exposure         >       Metering: TTL exposure metering using 2,016-pixel RGB sensor         >       Metering method:         •       Matrix: 3D color matrix metering II (type G,E and D lenses); color matrix metering II (other CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data         •       Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12- mm circle or average of entire frame)         >       Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)         >       Range: (ISO 100, f/1.4 lens, 20°C/68°F)			
<ul> <li>0.5, 1, 2 or 3 s</li> <li>Remote release modes: Delayed remote, quick-response remote, remote mirror-up</li> <li>Exposure</li> <li>Metering: TTL exposure metering using 2,016-pixel RGB sensor</li> <li>Metering method: <ul> <li>Matrix: 3D color matrix</li> <li>metering II (type G,E and D lenses); color matrix metering II (other CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data</li> <li>Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12-mm circle or average of entire frame (non-CPU lenses use 12-mm circle or average of entire frame)</li> </ul> </li> <li>Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>			
<ul> <li>0.5, 1, 2 or 3 s</li> <li>Remote release modes: Delayed remote, quick-response remote, remote mirror-up</li> <li>Exposure</li> <li>Metering: TTL exposure metering using 2,016-pixel RGB sensor</li> <li>Metering method: <ul> <li>Matrix: 3D color matrix</li> <li>metering II (type G,E and D lenses); color matrix metering II (other CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data</li> <li>Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12-mm circle or average of entire frame (non-CPU lenses use 12-mm circle or average of entire frame)</li> </ul> </li> <li>Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>		to 9 exposures at intervals of	
<ul> <li>remote, quick-response remote, remote mirror-up</li> <li>Exposure</li> <li>Metering: TTL exposure metering using 2,016-pixel RGB sensor</li> <li>Metering method: <ul> <li>Matrix: 3D color matrix</li> <li>metering II (type G,E and D lenses); color matrix</li> <li>metering available with non-CPU lenses); color matrix</li> <li>metering available with non-CPU lenses if user provides lens data</li> <li>Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12- mm circle or average of entire frame)</li> </ul> </li> <li>Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>		0.5, 1, 2 or 3 s	
<ul> <li>remote, quick-response remote, remote mirror-up</li> <li>Exposure</li> <li>Metering: TTL exposure metering using 2,016-pixel RGB sensor</li> <li>Metering method: <ul> <li>Matrix: 3D color matrix</li> <li>metering II (type G,E and D lenses); color matrix</li> <li>metering available with non-CPU lenses); color matrix</li> <li>metering available with non-CPU lenses if user provides lens data</li> <li>Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12- mm circle or average of entire frame)</li> </ul> </li> <li>Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>		Remote release modes: Delayed	ļ
<ul> <li>Exposure</li> <li>Metering: TTL exposure metering using 2,016-pixel RGB sensor</li> <li>Metering method:         <ul> <li>Matrix: 3D color matrix metering II (type G,E and D lenses); color matrix metering II (other CPU lenses); color matrix metering available with non-CPL lenses if user provides lens data</li> <li>Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12- mm circle or average of entire frame)</li> </ul> </li> <li>Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>		remote, quick-response remote,	
<ul> <li>Metering: TTL exposure metering using 2,016-pixel RGB sensor</li> <li>Metering method:         <ul> <li>Matrix: 3D color matrix metering II (type G,E and D lenses); color matrix metering II (other CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data</li> <li>Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12- mm circle or average of entire frame)</li> <li>Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul> </li> </ul>		remote mirror-up	
<ul> <li>metering using 2,016-pixel RGB sensor</li> <li>Metering method: <ul> <li>Matrix: 3D color matrix</li> <li>metering II (type G,E and D lenses); color matrix metering II (other CPU lenses); color matrix</li> <li>metering available with non-CPU lenses if user provides lens data</li> <li>Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12-mm circle or average of entire frame)</li> <li>Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul> </li> </ul>		Exposure	
<ul> <li>Sensor</li> <li>Metering method: <ul> <li>Matrix: 3D color matrix</li> <li>metering II (type G,E and D</li> <li>lenses); color matrix metering II</li> <li>(other CPU lenses); color matrix</li> <li>metering available with non-CPU</li> <li>lenses if user provides lens data</li> <li>Center-weighted: Weight of</li> <li>75% given to 12-mm circle in</li> <li>center of frame; diameter of</li> <li>circle can be changed to 8, 15</li> <li>or 20 mm, or weighting can be</li> <li>based on average of entire</li> <li>frame (non-CPU lenses use 12- mm circle or average of entire</li> <li>frame (non-CPU lenses use 12- mm circle or average of entire</li> <li>frame)</li> </ul> </li> <li>Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>		Metering: TTL exposure	
<ul> <li>Metering method:         <ul> <li>Matrix: 3D color matrix metering II (type G,E and D lenses); color matrix metering II (other CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data</li> <li>Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12- mm circle or average of entire frame)</li> <li>Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul> </li> </ul>		metering using 2,016-pixel RGB	
<ul> <li>Matrix: 3D color matrix metering II (type G,E and D lenses); color matrix metering II (other CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data</li> <li>Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12- mm circle or average of entire frame)</li> <li>Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>		sensor	
<ul> <li>metering II (type G,E and D lenses); color matrix metering II (other CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data</li> <li>Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12- mm circle or average of entire frame)</li> <li>Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>		Metering method:	Ì
<ul> <li>lenses); color matrix metering II (other CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data</li> <li>Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12- mm circle or average of entire frame)</li> <li>Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>		- Matrix: 3D color matrix	
<ul> <li>(other CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data</li> <li>Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12- mm circle or average of entire frame)</li> <li>&gt; Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>&gt; Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>			
<ul> <li>metering available with non-CPU lenses if user provides lens data</li> <li>Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12- mm circle or average of entire frame)</li> <li>Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>		lenses); color matrix metering II	
<ul> <li>lenses if user provides lens data</li> <li>Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12- mm circle or average of entire frame)</li> <li>Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>		(other CPU lenses); color matrix	
<ul> <li>Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12- mm circle or average of entire frame)</li> <li>&gt; Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>&gt; Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>		metering available with non-CPU	
<ul> <li>75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12-mm circle or average of entire frame)</li> <li>&gt; Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>&gt; Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>			
<pre>center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12- mm circle or average of entire frame)</pre> Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used) Range: (ISO 100, f/1.4 lens, 20°C/68°F)			
<ul> <li>circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12- mm circle or average of entire frame)</li> <li>&gt; Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>&gt; Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>		75% given to 12-mm circle in	
<ul> <li>or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12- mm circle or average of entire frame)</li> <li>&gt; Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>&gt; Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>			
<ul> <li>based on average of entire frame (non-CPU lenses use 12- mm circle or average of entire frame)</li> <li>Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>			
<pre>frame (non-CPU lenses use 12- mm circle or average of entire frame)  Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)  Range: (ISO 100, f/1.4 lens, 20°C/68°F)</pre>			
<ul> <li>mm circle or average of entire frame)</li> <li>&gt; Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>&gt; Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>			
frame) ➤ Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used) ➤ Range: (ISO 100, f/1.4 lens, 20°C/68°F)			
<ul> <li>Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> </ul>		mm circle or average of entire	
1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used) ➤ Range: (ISO 100, f/1.4 lens, 20°C/68°F)			
selected focus point (on center focus point when non-CPU lens is used) ➤ Range: (ISO 100, f/1.4 lens, 20°C/68°F)		Spot: Meters 4-mm circle (about	
focus point when non-CPU lens is used) ➤ Range: (ISO 100, f/1.4 lens, 20°C/68°F)			
is used) ➤ Range: (ISO 100, f/1.4 lens, 20°C/68°F)			
Range: (ISO 100, f/1.4 lens, 20°C/68°F)			
20°C/68°F)			
- Maulix of center-weighted	L	- Matrix or center-weighted	

			metering: 0 to 20 EV				
.		-	Spot metering: 2 to 20 EV			•	
			Exposure meter coupling:				
			Combined CPU and AI				
			Exposure modes: Auto				
			(🛱 auto; 🏵 auto [flash off]),				
			scene				
			(🕱 portrait, 🔚 landscape, 🗳 c				
			hild, 🤹sports, 📽 close				
			up, 🖾 night portrait, 🔣 night				
			landscape, 🗱 party/indoor, 🏙b				
			each/snow, 🚔 sunset, 🚔 dusk/				
			dawn, 🐨 pet				
ľ			portrait, 🕯 candlelight, ᡐbloss				
			om, 🗣 autumn				
			colors, 👖 food, 🛣 silhouette,			[	
			high key, <b>k</b> low key),				
			programmed auto with flexible				
			program (P), shutter-priority	ľ			
ĺ			auto (S), aperture-priority auto				
			(A), manual (M), U1 (user				
			settings 1), U2 (user settings 2)	4			
		$\triangleright$	Exposure compensation: Can				
			be adjusted by -5 to +5 EV in				1
			increments of 1/3 or 1/2 EV in				
			P, S, A and M modes				
		$\triangleright$	Exposure bracketing: 2 to 3				
			frames in steps of 1/3, 1/2, 2/3,				
İ			1, 2 or 3 EV				İ
		$\triangleright$	Exposure lock: Luminosity	ĺ			ļ
			locked at detected value with				
			AE-L/AF-L button				
		$\triangleright$	ISO sensitivity (Recommended		ľ		
			Exposure Index): ISO 100 to				
			6400 in steps of 1/3 or 1/2 EV;				İ
			can also be set to approx. 0.3,				
			0.5, 0.7 or 1 EV (ISO 50		ĺ		
			equivalent) below ISO 100 or to				
			approx. 0.3, 0.5, 0.7, 1 or 2 EV				
			(ISO 25600 equivalent) above				
			ISO 6400; auto ISO sensitivity	8			
			control available				
			Active D-Lighting: Auto, Extra				
			high, High, Normal, Low, Off	[			l
ļ			ADL bracketing 2 frames using selected value for one frame or				
							İ
			3 frames using preset values for all frames				
L	 			l			

	<ul> <li>Focus</li> <li>Autofocus: Multi-CAM 4800 autofocus sensor module with TTL phase detection, fine- tuning, 39 focus points (including 9 cross-type sensors; the center 33 points are available at apertures slower than f/5.6 and faster than f/8, while the center 7 points are</li> </ul>
	available at f/8), and AF-assist illuminator (range approx. 0.5 to 3 m/1 ft 8 in. to 9 ft 10 in.) ➤ Detection range: -1 to +19 EV (ISO 100, 20°C/68°F)
	<ul> <li>Lens servo:</li> <li>Autofocus (AF): Single-servo</li> <li>AF (AF-S); continuous-servo</li> <li>AF (AF-C); auto AF-S/AF-C</li> <li>selection (AF-A); predictive</li> <li>focus tracking activated</li> <li>automatically according to</li> </ul>
	<ul> <li>subject status</li> <li>Manual focus (M): Electronic rangefinder can be used</li> <li>Focus point: Can be selected from 39 or 11 focus points</li> </ul>
	<ul> <li>AF-area modes: Single-point</li> <li>AF, 9-, 21- or 39-point</li> <li>dynamic-area AF, 3D-tracking,</li> <li>auto-area AF</li> </ul>
	<ul> <li>Focus lock: Focus can be locked by pressing shutter- release button halfway (single- servo AF) or by pressing AE- L/AF-L button</li> <li>Flash</li> </ul>
· .	<ul> <li>&gt; Built in flash:</li> <li>☆ , ☆ , ☆ , ☆ , ☆ , ☆ ;</li> <li>Auto flash with auto pop-up P,</li> <li>S, A, M, 1 : Manual pop-up with button release</li> </ul>
	<ul> <li>Guide number: Approx. 12/39, 12/39 with manual flash (m/ft, ISO 100, 20°C/68°F)</li> </ul>
	<ul> <li>Flash control: TTL: i-TTL flash control using 2,016-pixel RGB sensor is available with built-in</li> </ul>

ľ

•

	flash and SB-910, SB-900, SE	
	800, SB-700, SB-600, SB-400	
	SB-300; i-TTL balanced fill-fla	ash
	for digital SLR is used with	
1	matrix and center-weighted	
	metering, standard i-TTL flas	h l
	for digital SLR with spot	
	metering	
	<ul> <li>Flash modes: Auto, auto with</li> </ul>	
	red-eye reduction, auto slow	
	sync, auto slow sync with rec	
	eye reduction, fill-flash, red-e	
	reduction, slow sync, slow sy	
	with red-eye reduction, rear-	
	curtain with slow sync, rear-	
	curtain sync, off; auto FP high	
	speed sync supported	
	Flash compensation: -3 to +1	
	EV in increments of 1/3 or 1/3	2
	EV	
	Flash bracketing: 2 to 3 frame	
	in steps of 1/3, 1/2, 2/3, 1, 2	or
	3 EV	
	Flash-ready indicator: Lights	
	when built-in flash or optiona	
	flash unit is fully charged;	
	flashes after flash is fired at f	
	output	
	Accessory shoe: ISO 518 hot-	
	shoe with sync and data	
	contacts and safety lock	
	Sync terminal: AS-15 Sync	
	Terminal Adapter (available	
	separately)	
	White Balance	
	White balance: Auto (2 types)	
	incandescent, fluorescent (7	
	types), direct sunlight, flash,	
	cloudy, shade, preset manual	
	(up to 4 values can be stored)	
	choose color temperature	
	(2,500 K to 10,000 K); all with	
	fine-tuning	
	<ul> <li>White balance bracketing: 2 to</li> </ul>	
	frames in steps of 1, 2 or 3	
	• Live View	
	Modes: Live view photography	
	(still images), movie live view	
	(movies)	
	(1101103)	

<ul> <li>Lens servo: Autofocus (AF): Single-servo AF (AF-S); full- time servo AF (AF-S); full- time servo AF (AF-F), Manual focus (M)</li> <li>AF-area modes: Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF</li> <li>Autofocus: Contrast-detect AF anywhere in frame (camera selects focus point automatically when face- priority AF or subject-tracking AF is selected)</li> <li>Movie</li> <li>Metering: TTL exposure metering using main image sensor</li> <li>Metering: TTL exposure metering using main image sensor</li> <li>Metering: TTL exposure metering using on a frame rate: 1,920 x 1,980; 30p (progressive), 25p, 24p 1,280 x 720; 60p, 50p, 30p, 25p 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</li> <li>File format: MOV</li> <li>Video compression: H.264/MPIEG-4 Advanced Video coding</li> <li>Audio recording device: Built-in monaural or external stereo microphone; sensitivity adjustable</li> <li>Maximum length: Approx. 29 min. 59 s (20 min. depending on frame size/rate and movie quality settings)</li> <li>Other options: Index marking, time-lapse photography</li> <li>Monitor: Monitor &amp;-cm (3.2-in.), approx. 9214-obt (VGA), low- temperature polysilicon TFT LCD</li> </ul>			
<ul> <li>AF-area modes: Face-priority AF, subject-tracking AF</li> <li>Autofocus: Contrast-detect AF anywhere in frame (camera selects focus point automatically when face- priority AF or subject-tracking AF is selected)</li> <li>Movie</li> <li>Movie</li> <li>Metering: TTL exposure metering using main image sensor</li> <li>Metering: tracking (progressive), 25p, 24p 1,280 × 720; 60p, 50p, 30p (progressive), 25p, 24p 1,280 × 720; 60p, 50p, 30p, 25p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 (pr sepectively; options support both ★ high and normal image quality</li> <li>File format: MOV</li> <li>Video compression: H.264/MPEG-4 Advanced Video Coding</li> <li>Audio recording device: Built-in monaural or external stereo microphone; sensitivity adjustable</li> <li>Maximum length: Approx. 29 min. 59 s (20 min. depending on frame size/rate and movie quality settings)</li> <li>Other options: Index marking, time-lapse photography</li> <li>Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-</li> </ul>		Single-servo AF (AF-S); full-	
AF, wide-area AF, normal-area         AF, subject-tracking AF         > Autofocus: Contrast-detect AF         anywhere in frame (camera         selects focus point         automatically when face-         priority AF or subject-tracking         AF is selected)         • Movie         > Metering: TTL exposure         metering using main image         sensor         > Metering method: Matrix         > Frame size (pixels) and frame         rate: 1,920 x 1,080; 300         (progressive), 25p, 24p 1,280         x 720; 60p, 50p, 30p, 25p         ACtual frame rates for 60p,         509, 30p, 25p, and 24p are         59.94, 50, 29.97, 25, and         23.976 fps respectively;         options support both * high         and normal image quality         > File format: MOV         > Video compression:         H_264/MPEG-4 Advanced         Video Cording format: Linear         PCM         > Audio recording device: Built-in         monaural or external stereo         microphone; sensitivity         adjustable         > Maximum length: Approx. 29         min. 59 s (20 min. depending         on frame size/rate and movie     <		focus (M)	
<ul> <li>Autofocus: Contrast-detect AF anywhere in frame (camera selects focus point automatically when face- priority AF or subject-tracking AF is selected)</li> <li>Movie</li> <li>Metering: TTL exposure metering using main image sensor</li> <li>Metering method: Matrix</li> <li>Frame size (pixels) and frame rate: 1,920 × 1,080; 30p (progressive), 25p, 24p 1,280 × 720; 60p, 50p, 30p, 25p 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</li> <li>File format: MOV</li> <li>Video coding</li> <li>Audio recording device: Built-in monaural or external stereo microphone; sensitivity adjustable</li> <li>Maximum length: Approx. 29 min. 59 s (20 min. depending on frame size/rate and movie quality settings)</li> <li>Other options: Index marking, time-lapse photography</li> <li>Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-</li> </ul>		AF, wide-area AF, normal-area	
AF is selected)         • Movie         > Metering: TTL exposure metering using main image sensor         > Metering method: Matrix         > Frame size (pixels) and frame rate: 1,920 x 1,080; 30p (progressive), 25p, 24p 1,280 x 720; 60p, 50p, 30p, 25p 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         > File format: MOV         > Video compression: H.264/MPEG-4 Advanced Video Coding         > Audio recording format: Linear PCM         > Audio recording device: Built-in monaural or external stereo microphone; sensitivity adjustable         > Maximum length: Approx. 29 min. 59 s (20 min. depending on frame size/rate and movie quality settings)         > Other options: Index marking, time-lapse photography         • Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-		anywhere in frame (camera selects focus point automatically when face-	
<ul> <li>Movie</li> <li>Metering: TTL exposure metering using main image sensor</li> <li>Metering method: Matrix</li> <li>Frame size (pixels) and frame rate: 1,920 × 1,080; 30p (progressive), 25p, 24p 1,280 x 720; 60p, 50p, 30p, 25p 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</li> <li>File format: MOV</li> <li>Video compression: H.264/MPEG-4 Advanced Video Coding</li> <li>Audio recording format: Linear PCM</li> <li>Audio recording device: Built-in monaural or external stereo microphone; sensitivity adjustable</li> <li>Maximum length: Approx. 29 min. 59 s (20 min. depending on frame size/rate and movie quality settings)</li> <li>Other options: Index marking, time-lapse photography</li> <li>Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-</li> </ul>			
<ul> <li>metering using main image sensor</li> <li>Metering method: Matrix</li> <li>Frame size (pixels) and frame rate: 1,920 × 1,080; 30p (progressive), 25p, 24p 1,280 × 720; 60p, 50p, 30p, 25p 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</li> <li>File format: MOV</li> <li>Video compression: H.264/MPEG-4 Advanced Video Coding</li> <li>Audio recording format: Linear PCM</li> <li>Audio recording device: Built-in monaural or external stereo microphone; sensitivity adjustable</li> <li>Maximum length: Approx. 29 min. 59 s (20 min. depending on frame size/rate and movie quality settings)</li> <li>Other options: Index marking, time-lapse photography</li> <li>Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-</li> </ul>		,	
<ul> <li>Metering method: Matrix</li> <li>Frame size (pixels) and frame rate: 1,920 × 1,080; 30p (progressive), 25p, 24p 1,280 × 720; 60p, 50p, 30p, 25p 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</li> <li>File format: MOV</li> <li>Video compression: H.264/MPEG-4 Advanced Video Coding</li> <li>Audio recording format: Linear PCM</li> <li>Audio recording device: Built-in monaural or external stereo microphone; sensitivity adjustable</li> <li>Maximum length: Approx. 29 min. 59 s (20 min. depending on frame size/rate and movie quality settings)</li> <li>Other options: Index marking, time-lapse photography</li> <li>Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-</li> </ul>		metering using main image	
rate: 1,920 × 1,080; 30p         (progressive), 25p, 24p 1,280         × 720; 60p, 50p, 30p, 25p         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         > File format: MOV         > Video compression:         H.264/MPEG-4 Advanced         Video Coding         > Audio recording format: Linear         PCM         > Audio recording device: Built-in         monaural or external stereo         microphone; sensitivity         adjustable         > Maximum length: Approx. 29         min. 59 s (20 min. depending         on frame size/rate and movie         quality settings)         > Other options: Index marking,         time-lapse photography         • Monitor:         > Monitor: Monitor 8-cm (3.2-in.),         approx. 921k-dot (VGA), low-			
<ul> <li>(progressive), 25p, 24p 1,280</li> <li>x 720; 60p, 50p, 30p, 25p</li> <li>Actual frame rates for 60p,</li> <li>50p, 30p, 25p, and 24p are</li> <li>59.94, 50, 29.97, 25, and</li> <li>23.976 fps respectively;</li> <li>options support both ★ high</li> <li>and normal image quality</li> <li>File format: MOV</li> <li>Video compression:</li> <li>H.264/MPEG-4 Advanced</li> <li>Video Coding</li> <li>Audio recording device: Built-in</li> <li>monaural or external stereo</li> <li>microphone; sensitivity</li> <li>adjustable</li> <li>Maximum length: Approx. 29</li> <li>min. 59 s (20 min. depending</li> <li>on frame size/rate and movie</li> <li>quality settings)</li> <li>Other options: Index marking,</li> <li>time-lapse photography</li> <li>Monitor: Monitor 8-cm (3.2-in.),</li> <li>approx. 921k-dot (VGA), low-</li> </ul>		Frame size (pixels) and frame	
<ul> <li>x 720; 60p, 50p, 30p, 25p</li> <li>Actual frame rates for 60p,</li> <li>50p, 30p, 25p, and 24p are</li> <li>59.94, 50, 29.97, 25, and</li> <li>23.976 fps respectively;</li> <li>options support both * high</li> <li>and normal image quality</li> <li>File format: MOV</li> <li>Video compression:</li> <li>H.264/MPEG-4 Advanced</li> <li>Video Coding</li> <li>Audio recording format: Linear</li> <li>PCM</li> <li>Audio recording device: Built-in</li> <li>monaural or external stereo</li> <li>microphone; sensitivity</li> <li>adjustable</li> <li>Maximum length: Approx. 29</li> <li>min. 59 s (20 min. depending</li> <li>on frame size/rate and movie</li> <li>quality settings)</li> <li>Other options: Index marking,</li> <li>time-lapse photography</li> <li>Monitor: Monitor 8-cm (3.2-in.),</li> <li>approx. 921k-dot (VGA), low-</li> </ul>			
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 > File format: MOV > Video compression: H.264/MPEG-4 Advanced Video Coding > Audio recording format: Linear PCM > Audio recording device: Built-in monaural or external stereo microphone; sensitivity adjustable > Maximum length: Approx. 29 min. 59 s (20 min. depending on frame size/rate and movie quality settings) > Other options: Index marking, time-lapse photography • Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-			
<ul> <li>50p, 30p, 25p, and 24p are</li> <li>59.94, 50, 29.97, 25, and</li> <li>23.976 fps respectively;</li> <li>options support both * high</li> <li>and normal image quality</li> <li>File format: MOV</li> <li>Video compression:</li> <li>H.264/MPEG-4 Advanced</li> <li>Video Coding</li> <li>Audio recording format: Linear</li> <li>PCM</li> <li>Audio recording device: Built-in</li> <li>monaural or external stereo</li> <li>microphone; sensitivity</li> <li>adjustable</li> <li>Maximum length: Approx. 29</li> <li>min. 59 s (20 min. depending</li> <li>on frame size/rate and movie</li> <li>quality settings)</li> <li>Other options: Index marking,</li> <li>time-lapse photography</li> <li>Monitor</li> <li>Monitor: Monitor 8-cm (3.2-in.),</li> <li>approx. 921k-dot (VGA), low-</li> </ul>			
<ul> <li>59.94, 50, 29.97, 25, and 23.976 fps respectively; options support both * high and normal image quality</li> <li>File format: MOV</li> <li>Video compression: H.264/MPEG-4 Advanced Video Coding</li> <li>Audio recording format: Linear PCM</li> <li>Audio recording device: Built-in monaural or external stereo microphone; sensitivity adjustable</li> <li>Maximum length: Approx. 29 min. 59 s (20 min. depending on frame size/rate and movie quality settings)</li> <li>Other options: Index marking, time-lapse photography</li> <li>Monitor</li> <li>Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-</li> </ul>			
<ul> <li>23.976 fps respectively; options support both * high and normal image quality</li> <li>File format: MOV</li> <li>Video compression: H.264/MPEG-4 Advanced Video Coding</li> <li>Audio recording format: Linear PCM</li> <li>Audio recording device: Built-in monaural or external stereo microphone; sensitivity adjustable</li> <li>Maximum length: Approx. 29 min. 59 s (20 min. depending on frame size/rate and movie quality settings)</li> <li>Other options: Index marking, time-lapse photography</li> <li>Monitor</li> <li>Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-</li> </ul>			
<ul> <li>and normal image quality</li> <li>File format: MOV</li> <li>Video compression: H.264/MPEG-4 Advanced Video Coding</li> <li>Audio recording format: Linear PCM</li> <li>Audio recording device: Built-in monaural or external stereo microphone; sensitivity adjustable</li> <li>Maximum length: Approx. 29 min. 59 s (20 min. depending on frame size/rate and movie quality settings)</li> <li>Other options: Index marking, time-lapse photography</li> <li>Monitor</li> <li>Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-</li> </ul>			
<ul> <li>File format: MOV</li> <li>Video compression: H.264/MPEG-4 Advanced Video Coding</li> <li>Audio recording format: Linear PCM</li> <li>Audio recording device: Built-in monaural or external stereo microphone; sensitivity adjustable</li> <li>Maximum length: Approx. 29 min. 59 s (20 min. depending on frame size/rate and movie quality settings)</li> <li>Other options: Index marking, time-lapse photography</li> <li>Monitor</li> <li>Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-</li> </ul>		options support both ★ high	
<ul> <li>Video compression: H.264/MPEG-4 Advanced Video Coding</li> <li>Audio recording format: Linear PCM</li> <li>Audio recording device: Built-in monaural or external stereo microphone; sensitivity adjustable</li> <li>Maximum length: Approx. 29 min. 59 s (20 min. depending on frame size/rate and movie quality settings)</li> <li>Other options: Index marking, time-lapse photography</li> <li>Monitor</li> <li>Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-</li> </ul>		5,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
<ul> <li>H.264/MPEG-4 Advanced Video Coding</li> <li>Audio recording format: Linear PCM</li> <li>Audio recording device: Built-in monaural or external stereo microphone; sensitivity adjustable</li> <li>Maximum length: Approx. 29 min. 59 s (20 min. depending on frame size/rate and movie quality settings)</li> <li>Other options: Index marking, time-lapse photography</li> <li>Monitor</li> <li>Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-</li> </ul>			
<ul> <li>Video Coding</li> <li>Audio recording format: Linear PCM</li> <li>Audio recording device: Built-in monaural or external stereo microphone; sensitivity adjustable</li> <li>Maximum length: Approx. 29 min. 59 s (20 min. depending on frame size/rate and movie quality settings)</li> <li>Other options: Index marking, time-lapse photography</li> <li>Monitor</li> <li>Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-</li> </ul>			Í
<ul> <li>Audio recording format: Linear PCM</li> <li>Audio recording device: Built-in monaural or external stereo microphone; sensitivity adjustable</li> <li>Maximum length: Approx. 29 min. 59 s (20 min. depending on frame size/rate and movie quality settings)</li> <li>Other options: Index marking, time-lapse photography</li> <li>Monitor</li> <li>Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-</li> </ul>		*	
<ul> <li>PCM</li> <li>Audio recording device: Built-in monaural or external stereo microphone; sensitivity adjustable</li> <li>Maximum length: Approx. 29 min. 59 s (20 min. depending on frame size/rate and movie quality settings)</li> <li>Other options: Index marking, time-lapse photography</li> <li>Monitor</li> <li>Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-</li> </ul>		5	
<ul> <li>monaural or external stereo microphone; sensitivity adjustable</li> <li>Maximum length: Approx. 29 min. 59 s (20 min. depending on frame size/rate and movie quality settings)</li> <li>Other options: Index marking, time-lapse photography</li> <li>Monitor</li> <li>Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-</li> </ul>			
<ul> <li>microphone; sensitivity adjustable</li> <li>Maximum length: Approx. 29 min. 59 s (20 min. depending on frame size/rate and movie quality settings)</li> <li>Other options: Index marking, time-lapse photography</li> <li>Monitor</li> <li>Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-</li> </ul>		Audio recording device: Built-in	
<ul> <li>adjustable</li> <li>Maximum length: Approx. 29 min. 59 s (20 min. depending on frame size/rate and movie quality settings)</li> <li>Other options: Index marking, time-lapse photography</li> <li>Monitor</li> <li>Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-</li> </ul>			
<ul> <li>Maximum length: Approx. 29 min. 59 s (20 min. depending on frame size/rate and movie quality settings)</li> <li>Other options: Index marking, time-lapse photography</li> <li>Monitor</li> <li>Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-</li> </ul>			1
<ul> <li>min. 59 s (20 min. depending on frame size/rate and movie quality settings)</li> <li>Other options: Index marking, time-lapse photography</li> <li>Monitor</li> <li>Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-</li> </ul>		-	
<ul> <li>on frame size/rate and movie quality settings)</li> <li>&gt; Other options: Index marking, time-lapse photography</li> <li>• Monitor</li> <li>• Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-</li> </ul>		÷	
<ul> <li>quality settings)</li> <li>&gt; Other options: Index marking, time-lapse photography</li> <li>• Monitor</li> <li>&gt; Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-</li> </ul>			
<ul> <li>Other options: Index marking, time-lapse photography</li> <li>Monitor</li> <li>Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-</li> </ul>		i i i i i i i i i i i i i i i i i i i	
<ul> <li>Monitor</li> <li>Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-</li> </ul>	:		
Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-		time-lapse photography	
approx. 921k-dot (VGA), low-			
	L		 

with approx. 170° viewing	
angle, approx. 100% frame	
coverage, and automatic	
monitor brightness control using	
ambient brightness sensor	
<ul> <li>Playback</li> </ul>	
Playback: Full-frame and	
thumbnail (4, 9, 72 images or	
calendar) playback with	
playback zoom, movie playback,	
photo and/or movie slide shows,	
histogram display, highlights,	
photo information, GPS data	
display and auto image rotation	
Interface     ISP: Hi Speed USP	
> USB: Hi-Speed USB	
HDMI output: Type C mini-pin HDMI connector	
<ul> <li>Accessory terminal: Remote</li> </ul>	
cord: MC-DC2 (available	
separately) GPS unit: GP-1/GP-	
1A (available separately)	
<ul> <li>Audio input: Stereo mini-pin</li> </ul>	
jack (3.5-mm diameter; plug-in	
power supported)	
<ul> <li>Audio output: Stereo mini-pin</li> </ul>	
jack (3.5-mm diameter)	
Supported Languages	
Supported Languages: Arabic,	
Chinese (Simplified and	ļ
Traditional), Czech, Danish,	
Dutch, English, Finnish, French,	
German, Greek, Hindi,	
Hungarian, Indonesian, Italian, Japanese, Korean, Norwegian,	
Polish, Portuguese (Portugal and	
Brazil), Romanian, Russian,	
Spanish, , Swedish, Thai, Turkish,	
Ukrainian	
Power source	
Battery: One EN-EL15	
Rechargeable Li-ion Battery	
Battery pack: Optional MB-D14 Multi-Power Battery Pack with	
Multi-Power Battery Pack with one EN-EL15 Rechargeable Li-ion	
Battery or six AA alkaline, Ni-MH,	
or lithium batteries	
AC adapter: EH-5b AC Adapter;	
requires EP-5B Power Connector	
(available separately)	

Tripod Socket				
Tripod socket: 1/4 in. (ISO 1222)	0	İ		
<ul> <li>Dimensions / Weight</li> </ul>				Ì
$\blacktriangleright$ Dimensions (W x H x D): Approx.				
141 x 113 x 82 mm/ 5.6 x 4.4 x				
3.2 in.				
Weight: Approx. 850 g/1 lb 14.0				
oz with battery and memory card				
but without body cap; approx.				
760 g/1 lb 10.8 oz (camera body				
only)				
Operating environment				
Operating environment:				
Temperature: 0 to 40°C/32 to				
104°F; humidity: 85% or less (no				
condensation)				
Accessories				
Supplied accessories (may differ by country or area); EN EL1E				
by country or area): EN-EL15				
Rechargeable Li-ion Battery, MH-				
25 Battery Charger, DK-5				
Eyepiece Cap, DK-21 Rubber				
Eyecup, UC-E15 USB Cable, AN-		:		
DC10 Camera Strap, BM-14 LCD				
Monitor Cover, BF-1B Body Cap,				
BS-1 Accessory Shoe Cover,				
ViewNX 2 CD-ROM				
B. DSLR Camera 2 (Body only)	Ē			
<ul> <li>Camera Specifications</li> </ul>				
Type: Single-lens reflex digital				
camera				
Lens mount: F mount (with AF				
coupling and AF contacts)				
Effective angle of view: DX				1
format; focal length in 35 mm				
[135] format equivalent to				
approx. 1.5x that of lenses with			4	
FX format angle of view		ĺ		1
Effective pixels: 24.2 million				
Image sensor: 23.5 x 15.6 mm				
CMOS sensor				
Total pixels: 24.72 million			i	.
Dust-reduction system: Image				
sensor cleaning, Image Dust Off				
reference data (Capture NX-D				
software required)				
Storage				
Image size (pixels):			i	· ·
				,

	- DX (24x16) image area		
	4000 [L], 4496 x 3000		
	2992 × 2000 [S]	/ [M],	
		1000	
	- 1.3x (18x12) image an		
	x 3200 [L], 3600 x 24(	JU [M],	
	2400 x 1600 [S]		
	- Photographs with imag		
	DX (24x16) taken with		
	selector rotated to mov		
	view: 6000 x 3368 [L],		
	2528 [M], 2992 × 1680		
	- Photographs with imag		
	1.3x (18x12) taken wit		
	view selector rotated to		
	in live view: 4800 x 26		
	3600 x 2024 [M], 2400	) x 1344	
	[S]		
	File Format:		
	- NEF (RAW): 12 or 14 b		
	lossless compressed or		
	compressed		
	- JPEG: JPEG-Baseline co		
	with fine (approx. 1:4)		
	(approx. 1:8) or basic (	(approx.	
	1:16) compression (Siz		
	priority); Optimal qualit	ty	
	compression available		
	- NEF (RAW)+JPEG: Sing	gle	
	photograph recorded in		
	NEF (RAW) and JPEG f		
	Picture Control System:		
	Standard, Neutral, Vivid		
	Monochrome, Portrait,		
	Landscape, Flat; selected	ed l	
	Picture Control can be		
	storage for custom Pict		
	Controls		
	Media: SD (Secure Diginal Content of Secure ital) and		
	UHS-I compliant SDHC		
	SDXC memory cards		
	<ul> <li>Double Card Slot: Slot 2</li> </ul>	2 can he	
	used for overflow or ba		
	storage or for separate		
	of copies created using		
	NEF+JPEG; pictures car		
	copied between cards		
	File System: DCF 2.0, D Exif 2.3, PictBridge	лог,	
	View Finder		
Ĺ	• AICAA LIIINCI		

	View Finder: Eye-level	
	pentaprism single-lens reflex	- 9.
	viewfinder	
	Frame coverage:	
	- DX (24x16) image area: Approx	
	100% horizontal and 100%	
	vertical	
	- 1.3x (18x12) image area: Approx.	
	97% horizontal and 97% vertical	
	Magnification: Approx. 0.94x	
	(50 mm f/1.4 lens at infinity, -	
	1.0 m-1)	
	Eyepoint: 19.5 mm (-1.0 m-1;	
	from center surface of	
	viewfinder eyepiece lens)	
	Diopter Adjustment: -2 to +1	
	m-1	
	Focusing Screen: Type B	
	BriteView Clear Matte Mark II	
	screen with AF area brackets	
	(framing grid can be displayed)	
	Reflex Mirror: Quick return	
	Depth-of-field preview: Pressing	
	Pv button stops lens aperture	
	down to value selected by user	
	(A and M modes) or by camera	
	(other modes)	
	Lens Aperture: Instant return,	
	electronically controlled	
	• Lens	
	Compatible Lenses:	
	- Compatible with AF NIKKOR	
	lenses, including type G, E and	
1	D lenses (some restrictions	
	apply to PC lenses) and DX	
	lenses, AI-P NIKKOR lenses, and	
	non-CPU AI lenses (A and M	
	modes only); IX-NIKKOR lenses,	
	lenses for the F3AF, and non-AI	
	lenses cannot be used	
	- The electronic rangefinder can	
	be used with lenses that have a	
	maximum aperture of f/5.6 or	
	faster (the electronic rangefinder supports the conter	
	rangefinder supports the center	
	focus point with lenses that	
	have a maximum aperture of f/8 or faster)	
· ·	• Shutter	

<b></b>		
	> Type: E	lectronically controlled
	verticàl-	travel focal-plane
	shutter	
	> Speed:	1/8000 to 30 s in steps
		r 1/2 EV, bulb, time,
	X250	
	│ > Flash Sy	rnc Speed: X=1/250 s;
		nizes with shutter at
		or slower (flash range
		speeds between 1/250
	and 1/3	
	Release	
ĺ		Modes: S (single
		CL (continuous low
		CH (continuous high
		Q (quiet shutter-
		, Self-timer, MUP (mirror
	up)	
		nate frame advance
	rate:	
		d 12-bit NEF (RAW)
		ecorded with DX
		selected for image
		1 to 6 fps, CH 6 fps
		d 12-bit NEF (RAW)
1		recorded with 1.3x
		selected for image
		1 to 6 fps, CH7 fps
		EF (RAW) images
		with DX (24x16)
		for image area: CL 1 to
	5 fps, Ch	
		EF (RAW) images
		with 1.3x (18x12)
		for image area: CL 1 to
	6 fps, CH	•
1		n frame rate in live view
	is 3.7 fps	
1	> Sell-time	r: 2 s, 5 s, 10 s, 20 s; 1
		osures at intervals of
	0.5, 1, 2	
		ontrol modes : (ML-L3)
		remote, quick-response emote mirror-up
	Exposur	• • •
		: TTL exposure
		using 2016-pixel RGB
	Sensor	method: Matrix: 2D
L	- Metering	method: Matrix: 3D

<ul> <li>color matrix metering II (type</li> <li>G, E and D lenses); color matrix metering II (other CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data</li> <li>Center-weighted: Weight of approx. 75% given to 8-mm circle in center of frame; diameter of circle can be changed to 6, 10, or 13 mm, or weighting can be based on average of entire frame (non- CPU lenses use 8-mm circle)</li> <li>Spot: Meters circle with diameter of about 3.5 mm (about 2.5% of frame) centered on selected focus point (on center focus point when non- CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F), Matrix or center- weighted metering: 0 to 20 EV</li> <li>Spot metering: 2 to 20 EV</li> </ul>	
<ul> <li>metering II (other CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data</li> <li>Center-weighted: Weight of approx. 75% given to 8-mm circle in center of frame; diameter of circle can be changed to 6, 10, or 13 mm, or weighting can be based on average of entire frame (non- CPU lenses use 8-mm circle)</li> <li>Spot: Meters circle with diameter of about 3.5 mm (about 2.5% of frame) centered on selected focus point (on center focus point when non- CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F), Matrix or center- weighted metering: 0 to 20 EV</li> </ul>	
<ul> <li>metering II (other CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data</li> <li>Center-weighted: Weight of approx. 75% given to 8-mm circle in center of frame; diameter of circle can be changed to 6, 10, or 13 mm, or weighting can be based on average of entire frame (non- CPU lenses use 8-mm circle)</li> <li>Spot: Meters circle with diameter of about 3.5 mm (about 2.5% of frame) centered on selected focus point (on center focus point when non- CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F), Matrix or center- weighted metering: 0 to 20 EV</li> </ul>	
<ul> <li>color matrix metering available with non-CPU lenses if user provides lens data</li> <li>Center-weighted: Weight of approx. 75% given to 8-mm circle in center of frame; diameter of circle can be changed to 6, 10, or 13 mm, or weighting can be based on average of entire frame (non- CPU lenses use 8-mm circle)</li> <li>Spot: Meters circle with diameter of about 3.5 mm (about 2.5% of frame) centered on selected focus point (on center focus point when non- CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F), Matrix or center- weighted metering: 0 to 20 EV</li> </ul>	
<ul> <li>with non-CPU lenses if user provides lens data</li> <li>Center-weighted: Weight of approx. 75% given to 8-mm circle in center of frame; diameter of circle can be changed to 6, 10, or 13 mm, or weighting can be based on average of entire frame (non- CPU lenses use 8-mm circle)</li> <li>Spot: Meters circle with diameter of about 3.5 mm (about 2.5% of frame) centered on selected focus point (on center focus point when non- CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F), Matrix or center- weighted metering: 0 to 20 EV</li> </ul>	
<ul> <li>provides lens data</li> <li>Center-weighted: Weight of approx. 75% given to 8-mm circle in center of frame; diameter of circle can be changed to 6, 10, or 13 mm, or weighting can be based on average of entire frame (non- CPU lenses use 8-mm circle)</li> <li>Spot: Meters circle with diameter of about 3.5 mm (about 2.5% of frame) centered on selected focus point (on center focus point when non- CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F), Matrix or center- weighted metering: 0 to 20 EV</li> </ul>	
<ul> <li>Center-weighted: Weight of approx. 75% given to 8-mm circle in center of frame; diameter of circle can be changed to 6, 10, or 13 mm, or weighting can be based on average of entire frame (non- CPU lenses use 8-mm circle)</li> <li>Spot: Meters circle with diameter of about 3.5 mm (about 2.5% of frame) centered on selected focus point (on center focus point when non- CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F), Matrix or center- weighted metering: 0 to 20 EV</li> </ul>	
<ul> <li>approx. 75% given to 8-mm circle in center of frame; diameter of circle can be changed to 6, 10, or 13 mm, or weighting can be based on average of entire frame (non- CPU lenses use 8-mm circle)</li> <li>&gt; Spot: Meters circle with diameter of about 3.5 mm (about 2.5% of frame) centered on selected focus point (on center focus point when non- CPU lens is used)</li> <li>&gt; Range: (ISO 100, f/1.4 lens, 20°C/68°F), Matrix or center- weighted metering: 0 to 20 EV</li> </ul>	
<ul> <li>circle in center of frame; diameter of circle can be changed to 6, 10, or 13 mm, or weighting can be based on average of entire frame (non- CPU lenses use 8-mm circle)</li> <li>&gt; Spot: Meters circle with diameter of about 3.5 mm (about 2.5% of frame) centered on selected focus point (on center focus point when non- CPU lens is used)</li> <li>&gt; Range: (ISO 100, f/1.4 lens, 20°C/68°F), Matrix or center- weighted metering: 0 to 20 EV</li> </ul>	
<ul> <li>diameter of circle can be changed to 6, 10, or 13 mm, or weighting can be based on average of entire frame (non- CPU lenses use 8-mm circle)</li> <li>&gt; Spot: Meters circle with diameter of about 3.5 mm (about 2.5% of frame) centered on selected focus point (on center focus point when non- CPU lens is used)</li> <li>&gt; Range: (ISO 100, f/1.4 lens, 20°C/68°F), Matrix or center- weighted metering: 0 to 20 EV</li> </ul>	
<ul> <li>changed to 6, 10, or 13 mm, or weighting can be based on average of entire frame (non- CPU lenses use 8-mm circle)</li> <li>Spot: Meters circle with diameter of about 3.5 mm (about 2.5% of frame) centered on selected focus point (on center focus point when non- CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F), Matrix or center- weighted metering: 0 to 20 EV</li> </ul>	
<ul> <li>weighting can be based on average of entire frame (non- CPU lenses use 8-mm circle)</li> <li>&gt; Spot: Meters circle with diameter of about 3.5 mm (about 2.5% of frame) centered on selected focus point (on center focus point when non- CPU lens is used)</li> <li>&gt; Range: (ISO 100, f/1.4 lens, 20°C/68°F), Matrix or center- weighted metering: 0 to 20 EV</li> </ul>	
<ul> <li>average of entire frame (non- CPU lenses use 8-mm circle)</li> <li>Spot: Meters circle with diameter of about 3.5 mm (about 2.5% of frame) centered on selected focus point (on center focus point when non- CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F), Matrix or center- weighted metering: 0 to 20 EV</li> </ul>	
CPU lenses use 8-mm circle) Spot: Meters circle with diameter of about 3.5 mm (about 2.5% of frame) centered on selected focus point (on center focus point when non- CPU lens is used) Range: (ISO 100, f/1.4 lens, 20°C/68°F), Matrix or center- weighted metering: 0 to 20 EV	
<ul> <li>Spot: Meters circle with diameter of about 3.5 mm (about 2.5% of frame) centered on selected focus point (on center focus point when non- CPU lens is used)</li> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F), Matrix or center- weighted metering: 0 to 20 EV</li> </ul>	
<ul> <li>diameter of about 3.5 mm (about 2.5% of frame) centered on selected focus point (on center focus point when non- CPU lens is used)</li> <li>&gt; Range: (ISO 100, f/1.4 lens, 20°C/68°F), Matrix or center- weighted metering: 0 to 20 EV</li> </ul>	
<ul> <li>(about 2.5% of frame) centered on selected focus point (on center focus point when non- CPU lens is used)</li> <li>&gt; Range: (ISO 100, f/1.4 lens, 20°C/68°F), Matrix or center- weighted metering: 0 to 20 EV</li> </ul>	
on selected focus point (on center focus point when non- CPU lens is used) ➤ Range: (ISO 100, f/1.4 lens, 20°C/68°F), Matrix or center- weighted metering: 0 to 20 EV	
center focus point when non- CPU lens is used) ➤ Range: (ISO 100, f/1.4 lens, 20°C/68°F), Matrix or center- weighted metering: 0 to 20 EV	
CPU lens is used) Range: (ISO 100, f/1.4 lens, 20°C/68°F), Matrix or center- weighted metering: 0 to 20 EV	
Range: (ISO 100, f/1.4 lens, 20°C/68°F), Matrix or center- weighted metering: 0 to 20 EV	
20°C/68°F), Matrix or center- weighted metering: 0 to 20 EV	
weighted metering: 0 to 20 EV	
<ul> <li>Exposure meter coupling:</li> </ul>	
Combined CPU and AI	
<ul> <li>Modes: Auto modes (auto; auto)</li> </ul>	
[flash off]); scene modes	
(portrait; landscape; child;	
sports; close up; night portrait;	
night landscape; party/indoor;	
beach/snow; sunset;	
dusk/dawn; pet portrait;	
candlelight; blossom; autumn	
colors; food); special effects	
modes (night vision; color	
sketch; miniature effect;	
selective color; silhouette; high	
key; low key); programmed	
auto with flexible program (P);	
shutter-priority auto (S);	
aperture-priority auto (A);	
manual (M); U1 (user settings	
1); U2 (user settings 2)	
Exposure compensation: Can be adjusted by E to 15 EV in	
adjusted by -5 to +5 EV in	
increments of 1/3 or 1/2 EV in	1 1
P, S, A, M, SCENE and night	
vision modes.	

	Exposure lock: Luminosity	
	locked at detected value wit	:h
	AE-L/AF-L. button	
	ISO sensitivity(Recommended)	ed
	Exposure Index): ISO 100 to	o
	25600 in steps of 1/3 or 1/2	
	in P, S, A, M modes, can also	
	set to approx. 1 or 2 EV (ISC	
i i	102400 equivalent;	
	monochrome only) above IS	
	25600; auto ISO sensitivity	
	control available	
	Active D-Lighting: Auto, extr	a
	high, high, normal, low, off	
	Focus	
	<ul> <li>Autofocus: Advanced Multi-C</li> </ul>	
	3500 II autofocus sensor	
	module with TTL phase	
	detection, fine-tuning, 51 for	
	points (including 15 cross-typ	
	sensors; f/8 supported by on	
	sensor), and AF-assist	
	· · ·	
	illuminator (range app rox. 0	
	to 3 m/1 ft 8 in. to 9 ft 10 in.	
	Detection range: -3 to +19 E (ISO 100 - 2090/(2097))	
	(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 (M): Electronic	
	rangefinder can be used	
	Focus point: Can be selected	
	from 51 or 11 focus points	
	AF-area modes: Single-point	AF;
	9-, 21- or 51-point dynamic-	
	area AF, 3D-tracking, auto-ar	ea
	AF	
	Focus lock: Focus can be lock	ced
	by pressing shutter-release	
	button halfway (single-servo )	AF)
	or by pressing AE-L/AF-L butt	on
	Flash	
	Built-in flash: Auto, portrait,	
	child, close up, night portrait,	
	party/indoor, pet portrait, colo	

		sketch: Auto flash with auto	
•		pop-up, P, S, A, M, food:	
		Manual pop-up with button	
		release	
		Guide number: Approx. 12/39,	
		12/39 with manual flash (m/ft,	
		ISO 100, 20°C/68°F)	
		<ul> <li>Flash control: TTL: i-TTL flash</li> </ul>	
		control using 2016-pixel RGB	
	•	sensor is available with built-in	
		flash; i-TTL balanced fill-flash	
·		for digital SLR is used with	
		matrix or center-weighted	
		metering, standard i-TTL fill-	
		flash for digital SLR with spot	
		metering	
		Flash modes: 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; auto FP high-	
		speed sync supported	
		<ul> <li>Flash compensation: -3 to +1</li> </ul>	
		EV in increments of 1/3 or 1/2	
		EV	
		<ul> <li>Flash-ready indicator: Lights</li> </ul>	
		when built-in flash or optional	
		flash unit is fully charged, blinke	
Ì		flash unit is fully charged; blinks	
		after flash is fired at full output	
		Accessory shoe: ISO 518 hot- abaa with a mag and data	
		shoe with sync and data	
ĺ		contacts and safety lock	
		Sync terminal: AS-15 Sync Torminal Adaptor (considered)	
		Terminal Adapter (available	
		separately)	
		White Balance	
		<ul> <li>White Balance: Auto (2 types),</li> </ul>	
		incandescent, fluorescent (7	
		types), direct sunlight, flash,	
		cloudy, shade, preset manual	
		(up to 6 values can be stored,	
		spot white balance	
		measurement available during	
		live view), choose color	
		temperature (2500 K to 10000	
	·	K), all with fine-tuning	
			······································

	Bracketing
•	<ul> <li>Bracketing types: Exposure,</li> </ul>
	flash, white balance and ADL
	Live View
	<ul> <li>Live View Modes: Live view</li> </ul>
	photography (still images),
	movie live view (movies)
	Lens servo: Autofocus (AF):
	Single-servo AF (AF-S); full-time
	servo AF (AF-F), Manual focus
	AF-area modes: Face-priority
	AF, wide-area AF, normal-area
	AF, subject-tracking AF
	Autofocus: Contrast-detect AF
	anywhere in frame (camera
	selects focus point automatically
	when face-priority AF or
	subject-tracking AF is selected)
	Movie
	Metering: TTL exposure
	metering using main image
	sensor
	Metering method: Matrix or
	center-weighted
	Frame size (pixels) and frame
	rate: 1920 x 1080; 60p
	(progressive), 50p, 30p, 25p,
	24p, 1280 x 720; 60p, 50p
	<ul> <li>Actual frame rates for 60p, 50p,</li> </ul>
	30p, 25p and 24p are 59.94, 50,
	29.97, 25 and 23.976 fps
	respectively; options support
	both +high and normal image
	quality
	1920 x 1080; 60p and 50p are
	available only when 1.3x
	(18x12) is selected for image
	area in the movie shooting
	menu
	File format: MOV
	Video compression:
	H.264/MPEG-4 Advanced Video
	Coding
	Audio recording format: Linear
	PCM
	Audio recording device: Built-in
	or external stereo microphone;

-

		·			
<b>b</b>		sensitivity adjustable			
		Maximum length: 29 min. 59 s			
		(10 or 20 min. depending on			
		frame size/rate and movie			
		quality settings)			
		Other movie options: Index			
		marking, time-lapse			
		photography			
	•	Monitor			
		Monitor: 8-cm/3.2-in., approx.			
		1229 k-dot (VGA; 640 x 480 x 4			
		= 1,228,800 dots), TFT monitor			
		with approx. 170° viewing			
		angle, approx. 100% frame			
		coverage and brightness			
		adjustment			
		Playback: Full-frame and			
		thumbhail (4, 9 or 72 images or			
		calendar) playback with			
		playback zoom, movie playback,			
		photo and/or movie slide shows,			
		histogram display, highlights,			
		photo information, location data			
		display and auto image rotation			
			-		
		USB: Hi-Speed USB; connection			
		to built-in USB port is			
		recommended			
		HDMI output: Type C HDMI			
		connector			
		Accessory terminal: Wireless			
		remote controllers: WR-1 and			
		WR-R10, Remote cord: MC-DC2,			
		GPS unit: GP-1/G P-1A (all	ĺ		
		available separately)			
		Audio input: Stereo mini-pin	ľ		
		jack (3.5-mm diameter; plug-in			
		power supported)			
	$\triangleright$	Audio output: Stereo mini-pin			
		jack (3.5-mm diameter)			
		Wireless			
		Standards: IEEE 802.11b, IEEE			
		802.11g			
	$\succ$	Operating frequency: 2412 to			
		2462 MHz (channels 1 to 11)			
	$\triangleright$	Range (line of sight): Approx.			
		30 m/98 ft (assumes no		ĺ	
		interference; range may vary			
		with signal strength and		_	
				·	

	presence or absence of obstacles)	
	<ul> <li>Data rate: 54 Mbps; maximum</li> </ul>	
	logical data rates according to	
	IEEE standard; actual rates may	
	differ	
	Authentication: Open system, WPA2-PSK	
	Wireless setup: Supports WPS	
	Access protocols: Infrastructure	
	NFC	
	Operation: NFC Forum Type 3	
	Tag	
	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,	
Ì	Ukrainian, Vietnamese	
	Power source	
	Battery: One EN-EL15	
	Rechargeable Li-ion Battery	
	Battery pack: Optional MB-D15	
	Multi-Power Battery Pack with	
	one EN-EL15 Rechargeable Li-	
	ion Battery or six R6/AA-size	
	alkaline, Ni-MH or lithium	
	batteries	
	AC adapter: EH-5b AC Adapter;	
	requires EP-5B Power Connector	
	(available separately)	
	Tripod socket: 1/4 in. (ISO	
	1222)	
	Dimensions / weight: Approx.	
	135.5 x 106.5 x 76 mm/5.4 x	
	4.2 x 3.0 in.	
	Weight: Approx. 765 g/1 lb 11.0	
	oz with battery and memory	
	card but without body cap;	
	approx. 675 g/1 lb 7.9 oz	
	(camera body only)	
	Operating environment:	

.

Temperature: 0 to 40°C/32 to 104°F; humidity: 85% or less (no condensation) Accessories (may differ by country or area): EN-EL15 Rechargeable Li-ion Battery, MH-25a Battery Charger, UC- E17 USB Cable, AN-DC1 BK Camera Strap, BF-1B Body Cap,			
DK-5 Eyepiece Cap, DK-23 Rubber Eyecup			
rranty One (1) year on parts and Three (3) years on service			
* Inclusive of Delive	ry and I	nstallation	
		e of VAT)	

(Amount in Words)

The above-quoted prices are inclusive of all costs and applicable taxes.

Very truly yours,

Name/Signature of Representative

Name of Company

Contact No.

# **TECHNICAL SPECIFICATIONS**

Item	Technical Specifications	STATEMENT OF COMPLIANCE
	Supply, Delivery, and Testing of Two (2) units of DSLR Camera	
	A. DSLR Camera 1 (Body only)	
	Camera Specifications	
	Type: Single-lens reflex digital camera	
	Lens mount: F mount (with AF coupling and AF	
	contacts)	
	Effective pixels: 24.3 million	
	Image sensor: 35.9 x 24.0 mm CMOS sensor (FX	
	format) - Total pixels: 24.7 million	
	Dust-reduction system: Image sensor cleaning, Image	
	Dust Off reference data (optional Capture NX 2	
	software required)	
	Storage     Image size (pixels):	
	<ul> <li>Image size (pixels):</li> <li>FX format (36x24): 6,016 x 4,016 (L), 4,512 x 3,008</li> </ul>	
	(M), $3,008 \times 2,008$ (S)	
	- DX format (24x16): $3,936 \times 2,624$ (L), $2,944 \times 1,968$	
	(M), 1,968 × 1,312 (S)	
	- FX-format photographs taken in movie live view: 6,016	
	x 3,376 (L), 4,512 x 2,528 (M), 3,008 x 1,688 (S)	
	- DX-format photographs taken in movie live view: 3,936	
	x 2,224 (L), 2,944 x 1,664 (M), 1,968 x 1,112 (S)	
	> File format:	
	- NEF (RAW): 12 or 14 bit, lossless compressed or	
	compressed	
	- JPEG: JPEG-Baseline compliant with fine (approx. 1:4),	
	normal (approx. 1:8) or basic (approx. 1:16)	
	compression (Size priority); Optimal quality	
	compression available	
	<ul> <li>NEF (RAW)+JPEG: Single photograph recorded in both</li> </ul>	
	NEF (RAW) and JPEG formats	
	Picture Control System: Standard, Neutral, Vivid,	
	Monochrome, Portrait, Landscape; selected Picture	
	Control can be modified; storage for custom Picture	
	Controls	
	Media: SD (Secure Digital) and UHS-I compliant SDHC	
	and SDXC memory cards	
	Dual card slots: Slot 2 can be used for overflow or backward storage of conject	
	backup storage or for separate storage of copies	
L	created using NEF+JPEG; pictures can be copied	1

<ul> <li>between cards</li> <li>File System: DCF (Design Rule for Camera File System) 2.0, DPOF (Digital Print Order Format), Exif (Exchangeable Image File Format for Digital Still Cameras) 2.3, PittBridge</li> <li>View Finder</li> <li>View Finder: Eye-level pentaprism single-lens reflex viewfinder</li> <li>Frame coverage:         <ul> <li>FX (36x24): Approx. 100% horizontal and 100% vertical</li> <li>DX (24x16): Approx. 97% horizontal and 97% vertical</li> <li>Magnification: Approx. 0.7x (50 mm f/1.4 lens at infinity, -1.0 m<sup>-1</sup>)</li> <li>Eyepoint: 21 mm (-1.0 m<sup>-1</sup>; from center surface of viewfinder eyepiece lens)</li> <li>Diopter adjustment: -3 to +1 m<sup>-1</sup></li> <li>Focusing screen: Type B BriteView Clear Matte Mark VIII screen with AF area brackets (framing grid can be displayed)</li> <li>Reflex mirror: Quick return</li> <li>Depth-of-field preview: Pressing depth-of-field preview button stops lens aperture down to value selected by user (A and M modes) or by camera (other modes)</li> <li>Lens aperture: Instant return, electronically controlled</li> <li>Lens</li> <li>Compatible lenses: Compatible with AF NIKKOR lenses, including type G,E and D lenses (some restrictions apply to PC lenses), DX lenses [using DX (24x16) image area], AI-P NIKKOR lenses, and non-CPU AI lenses (A and M modes only); IX-NIKKOR lenses, lenses for the F3AF, and non-AI lenses cannot be used. The electronic rangefinder can be used with lenses that have a maximum aperture of f/5.6 or faster (the electronic rangefinder supports the center 7 focus points with lenses that have a maximum aperture of f/8 or faster and the center 33 focus points with lenses that have a maximum aperture of f/6.8 or faster)</li> </ul> </li> <li>Shutter</li> <li>Type: Electronically-controlled vertical-travel focal-plane shutter</li> <li>Speed: 1/4,000 to 30 s in steps of 1/3 or 1/2 EV, bulb</li></ul>	
at 1/250 s or slower (flash range drops at speeds between 1/200 and 1/250 s)	
<ul> <li>Release</li> <li>Release Modes: S (single frame), CL (continuous low</li> </ul>	

	speed), CH (continuous high speed), Q (quiet shutter-	
a	release), QC (quiet continuous shutter-	
	release), 🕙 (self-timer), 📼 (remote control), MUP	
	(mirror up)	
	Frame advance rate: Approx. 1 to 5 fps (CL), approx. 6	
	fps (CH) or 3 fps (QC)	
	Self-timer: 2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at	
	intervals of 0.5, 1, 2 or 3 s	
	Remote release modes: Delayed remote, quick-	
	response remote, remote mirror-up	
	<ul> <li>Exposure</li> <li>Metering: TTL exposure metering using 2,016-pixel RGB</li> </ul>	
	sensor	
	<ul> <li>Metering method:</li> </ul>	
	- Matrix: 3D color matrix metering II (type G,E and D	
	lenses); color matrix metering II (other CPU lenses);	
	color matrix metering available with non-CPU lenses if	
	user provides lens data	
	- Center-weighted: Weight of 75% given to 12-mm circle	
	in center of frame; diameter of circle can be changed to	
ļ	8, 15 or 20 mm, or weighting can be based on average	
	of entire frame (non-CPU lenses use 12-mm circle or	
	average of entire frame)	
	Spot: Meters 4-mm circle (about 1.5% of frame)	
	centered on selected focus point (on center focus point	
	when non-CPU lens is used)	
	<ul> <li>Range: (ISO 100, f/1.4 lens, 20°C/68°F)</li> <li>Matrix or center-weighted metering: 0 to 20 EV</li> </ul>	
	- Spot metering: 2 to 20 EV	
	<ul> <li>Exposure meter coupling: Combined CPU and AI</li> </ul>	
	<ul> <li>Exposure modes: Auto (a auto; auto [flash off]),</li> </ul>	
	scene	
	(Ž portrait, 🖬 landscape, S child, 🕏 sports, S close	
	up, 🛃 night portrait, 🖬 night	
	landscape, 🗱 party/indoor, 🏙beach/snow, 🚔 sunset,	
	🚔 dusk/dawn, 🐨 pet	
	portrait, 😫 candlelight, 🏵 blossom, 🗣 autumn	
	colors, 11 food, 🖾 silhouette, 随 high key, 🚾 low key),	
	programmed auto with flexible program (P), shutter-	
	priority auto (S), aperture-priority auto (A), manual (M),	
	U1 (user settings 1), U2 (user settings 2)	
	Exposure compensation: Can be adjusted by -5 to	
	+5 EV in increments of 1/3 or 1/2 EV in P, S, A and M	
	modes	
	Exposure bracketing: 2 to 3 frames in steps of $1/3$ ,	
	1/2, 2/3, 1, 2 or 3 EV	
	Exposure lock: Luminosity locked at detected value with AE-L/AF-L button	

	ISO sensitivity (Recommended Exposure Index): ISO 100 to 6400 in steps of 1/3 or 1/2 EV; can also be set to approx. 0.3, 0.5, 0.7 or 1 EV (ISO 50 equivalent) below ISO 100 or to approx. 0.3, 0.5, 0.7, 1 or 2 EV (ISO 25600 equivalent) above ISO 6400; auto ISO sensitivity control available Active D-Lighting: Auto, Extra high, High, Normal, Low,	
	Off	
×	ADL bracketing 2 frames using selected value for one frame or 3 frames using preset values for all frames	
•	Focus	
	Autofocus: Multi-CAM 4800 autofocus sensor module with TTL phase detection, fine-tuning, 39 focus points (including 9 cross-type sensors; the center 33 points are available at apertures slower than f/5.6 and faster than f/8, while the center 7 points are available at f/8), and AF-assist illuminator (range approx. 0.5 to 3 m/1 ft 8 in. to 9 ft 10 in.)	
>	Detection range: -1 to +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 (M): Electronic rangefinder can be used Focus point: Can be selected from 39 or 11 focus points	
	AF-area modes: 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 AE-L/AF-L button	
•	Flash	
	Built in flash: 🛱 , 🗶 , 📽 , 🗶 , 🖾 , 💥 , 😽 : Auto flash with auto pop-up P, S, A, M, 🚺 : Manual pop-up with button release	
≻	Guide number: Approx. 12/39, 12/39 with manual flash (m/ft, ISO 100, 20°C/68°F)	
A	Flash control: TTL: i-TTL flash control using 2,016-pixel RGB sensor is available with built-in flash and SB-910, SB-900, SB-800, SB-700, SB-600, SB-400 or SB-300; 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	
•		:

	sync, off; auto FP high-speed sync supported
	$\succ$ Flash compensation: -3 to +1 EV in increments of 1/3
	or 1/2 EV
	<ul> <li>Flash bracketing: 2 to 3 frames in steps of 1/3, 1/2,</li> </ul>
	2/3, 1, 2 or 3 EV
-	Flash-ready indicator: Lights when built-in flash or
	optional flash unit is fully charged; flashes after flash is
	fired at full output
	Accessory shoe: ISO 518 hot-shoe with sync and data contacts and safety lock
	<ul> <li>Sync terminal: AS-15 Sync Terminal Adapter (available)</li> </ul>
	separately)
	White Balance
	<ul> <li>White balance: Auto (2 types), incandescent,</li> </ul>
	fluorescent (7 types), direct sunlight, flash, cloudy,
	shade, preset manual (up to 4 values can be stored),
	choose color temperature (2,500 K to 10,000 K); all
	with fine-tuning
	White balance bracketing: 2 to 3 frames in steps of 1, 2
	or 3
	Live View
	<ul> <li>Modes: Live view photography (still images), movie live view (movies)</li> </ul>
	Lens servo: Autofocus (AF): Single-servo AF (AF-S); full time serve AF (AF E) Manual focus (M)
	full-time servo AF (AF-F), Manual focus (M)
	AF-area modes: Face-priority AF, wide-area AF,
	normal-area AF, subject-tracking AF
	Autofocus: Contrast-detect AF anywhere in frame
	(camera selects focus point automatically when face-
	<ul> <li>priority AF or subject-tracking AF is selected)</li> <li>Movie</li> </ul>
	<ul> <li>Movie</li> <li>Metering: TTL exposure metering using main image</li> </ul>
	sensor
	<ul> <li>Metering method: Matrix</li> </ul>
	<ul> <li>Frame size (pixels) and frame rate: 1,920 x 1,080; 30p</li> </ul>
	(progressive), 25p, 24p 1,280 x 720; 60p, 50p, 30p,
	25p 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 $\star$ high and normal
	image quality
	File format: MOV
	Video compression: H.264/MPEG-4 Advanced Video Coding
	<ul> <li>Audio recording format: Linear PCM</li> </ul>
	<ul> <li>Audio recording format: Energy of the first</li></ul>
	stereo microphone; sensitivity adjustable
	<ul> <li>Maximum length: Approx. 29 min. 59 s (20 min.</li> </ul>
	depending on frame size/rate and movie quality

<ul> <li>settings)</li> <li>Other options: Index marking, time-lapse photography</li> </ul>
Monitor
<ul> <li>Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-temperature polysilicon TFT LCD with</li> </ul>
approx. 170° viewing angle, approx. 100% frame
coverage, and automatic monitor brightness control
using ambient brightness sensor
Playback
Playback: Full-frame and thumbnail (4, 9, 72 images or calendar) playback with playback zoom, movie playback, photo and/or movie slide shows, histogram display, highlights, photo information, GPS data display
and auto image rotation
• Interface
> USB: Hi-Speed USB
HDMI output: Type C mini-pin HDMI connector
Accessory terminal: Remote cord: MC-DC2 (available)
separately) GPS unit: GP-1/GP-1A (available separately)
Audio input: Stereo mini-pin jack (3.5-mm diameter;
plug-in power supported)
<ul> <li>Audio output: Stereo mini-pin jack (3.5-mm diameter)</li> </ul>
Supported Languages
Supported Languages: Arabic, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hindi, Hungarian, Indonesian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese (Portugal and Brazil), Romanian, Russian, Spanish, , Swedish, Thai, Turkish, Ukrainian
Power source
<ul> <li>Battery: One EN-EL15 Rechargeable Li-ion Battery</li> <li>Battery pack: Optional MB-D14 Multi-Power Battery Pack with one EN-EL15 Rechargeable Li-ion Battery or six AA alkaline, Ni-MH, or lithium batteries</li> </ul>
<ul> <li>AC adapter: EH-5b AC Adapter; requires EP-5B Power Connector (available separately)</li> </ul>
Tripod Socket
Tripod socket: 1/4 in. (ISO 1222)
Dimensions / Weight
Dimensions (W x H x D): Approx. 141 x 113 x 82 mm/ 5.6 x 4.4 x 3.2 in.
Weight: Approx. 850 g/1 lb 14.0 oz with battery and memory card but without body cap; approx. 760 g/1 lb 10.8 oz (camera body only)
Operating environment
<ul> <li>Operating environment: Temperature: 0 to 40°C/32 to 104°F; humidity: 85% or less (no condensation)</li> </ul>
Accessories
Supplied accessories (may differ by country or area): EN-
EL15 Rechargeable Li-ion Battery, MH-25 Battery Charger,
DK-5 Eyepiece Cap, DK-21 Rubber Eyecup, UC-E15 USB

	Cable, AN-DC10 Camera Strap, BM-14 LCD Monitor Cover, BF-1B Body Cap, BS-1 Accessory Shoe Cover, ViewNX 2 CD-ROM	,
B. DS	SLR Camera 2 (Body only)	
	Camera Specifications	
	Type: Single-lens reflex digital camera	
×	Lens mount: F mount (with AF coupling and AF contacts)	
	Effective angle of view: DX format; focal length in 35 mm [135] format equivalent to approx. 1.5x that of	
	lenses with FX format angle of view	
	Effective pixels: 24.2 million Image sensor: 23.5 x 15.6 mm CMOS sensor	
	Total pixels: 24.72 million	
	Dust-reduction system: Image sensor cleaning, Image	
	Dust Off reference data (Capture NX-D software required)	
	Storage	
	Image size (pixels):	
-	DX (24x16) image area: 6000 x 4000 [L], 4496 x 3000 [M], 2992 x 2000 [S]	
	1.3x (18x12) image area: 4800 x 3200 [L], 3600 x 2400	
	[M], 2400 × 1600 [S]	
	Photographs with image area of DX (24x16) taken with	
	live view selector rotated to movie live view: 6000 x	
	3368 [L], 4496 x 2528 [M], 2992 x 1680 [S] Photographs with image area of 1.3x (18x12) taken	
	with live view selector rotated to movie in live view:	
	4800 × 2696 [L], 3600 × 2024 [M], 2400 × 1344 [S]	
	File Format:	
	NEF (RAW): 12 or 14 bit, lossless compressed or	
	compressed	
-	JPEG: JPEG-Baseline compliant with fine (approx. 1:4),	
	normal (approx. 1:8) or basic (approx. 1:16)	
	compression (Size priority); Optimal quality	
	compression available	
-	NEF (RAW)+JPEG: Single photograph recorded in both NEF (RAW) and JPEG formats	
	Picture Control System: Standard, Neutral, Vivid,	
	Monochrome, Portrait, Landscape, Flat; selected Picture	
	Control can be modified; storage for custom Picture Controls	
	Media: SD (Secure Digital) and UHS-I compliant SDHC	
	and SDXC memory cards	
	backup storage or for separate storage of copies	
	created using NEF+JPEG; pictures can be copied	

	<ul> <li>between cards</li> <li>File System: DCF 2.0, DPOF, Exif 2.3, PictBridge</li> </ul>
	View Finder
	View Finder: Eye-level pentaprism single-lens reflex
	viewfinder
	Frame coverage:
	DX (24x16) image area: Approx. 100% horizontal and
	100% vertical
-	1.3x (18x12) image area: Approx. 97% horizontal and 97%
	vertical
	Magnification: Approx. 0.94x (50 mm f/1.4 lens at
	infinity, -1.0 m-1)
>	Eyepoint: 19.5 mm (-1.0 m-1; from center surface of
	viewfinder eyepiece lens)
	Diopter Adjustment: -2 to +1 m-1
5	Focusing Screen: Type B BriteView Clear Matte Mark II
	screen with AF area brackets (framing grid can be
	displayed)
	Reflex Mirror: Quick return
	Depth-of-field preview: Pressing Pv button stops lens
	aperture down to value selected by user (A and M
	modes) or by camera (other modes)
	Lens Aperture: Instant return, electronically controlled
	Lens
	Compatible Lenses:
-	Compatible with AF NIKKOR lenses, including type G, E
	and D lenses (some restrictions apply to PC lenses) and
	DX lenses, AI-P NIKKOR lenses, and non-CPU AI lenses
	(A and M modes only); IX-NIKKOR lenses, lenses for
	the F3AF, and non-AI lenses cannot be used
	The electronic rangefinder can be used with lenses that
	have a maximum aperture of f/5.6 or faster (the electronic rangefinder supports the center focus point
	with lenses that have a maximum aperture of f/8 or
	faster)
	Charther
	<ul> <li>Type: Electronically controlled vertical-travel focal-plane</li> </ul>
	shutter
	<ul> <li>Speed: 1/8000 to 30 s in steps of 1/3 or 1/2 EV, bulb,</li> </ul>
	time, X250
	<ul> <li>Flash Sync Speed: X=1/250 s; synchronizes with</li> </ul>
	shutter at 1/320 s or slower (flash range drops at
	speeds between 1/250 and 1/320 s)
	Release
	<ul> <li>Release Modes: S (single frame), CL (continuous low</li> </ul>
	speed), CH (continuous high speed), Q (quiet shutter-
	release), Self-timer, MUP (mirror up)
	<ul> <li>Approximate frame advance rate:</li> </ul>
	JPEG and 12-bit NEF (RAW) images recorded with DX

<ul> <li>(24x16) selected for image area: CL 1 to 6 fps, CH 6 fps</li> <li>JPEG and 12-bit NEF (RAW) images recorded with 1.3x (18x12) selected for image area: CL 1 to 6 fps, CH7 fps</li> <li>14-bit NEF (RAW) images recorded with DX (24x16) selected for image area: CL 1 to 5 fps, CH 5 fps</li> <li>14-bit NEF (RAW) images recorded with 1.3x (18x12) selected for image area: CL 1 to 6 fps, CH 6 fps</li> <li>Maximum frame rate in live view is 3.7 fps</li> </ul>
<ul> <li>Self-timer: 2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2 or 3 s</li> <li>Remote control modes : (ML-L3) Delayed remote, quick-response remote, remote mirror-up</li> </ul>
Exposure
<ul> <li>Metering: TTL exposure metering using 2016-pixel RGB</li> </ul>
sensor
Metering method: Matrix: 3D color matrix metering II
(type G, E and D lenses); color matrix metering II (other CPU lenses); color matrix metering available with
<ul> <li>non-CPU lenses if user provides lens data</li> <li>Center-weighted: Weight of approx. 75% given to 8-</li> </ul>
mm circle in center of frame; diameter of circle can be changed to 6, 10, or 13 mm, or weighting can be based on average of entire frame (non-CPU lenses use 8-mm circle)
<ul> <li>Spot: Meters circle with diameter of about 3.5 mm (about 2.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)</li> </ul>
Range: (ISO 100, f/1.4 lens, 20°C/68°F), Matrix or
center-weighted metering: 0 to 20 EV ➤ Spot metering: 2 to 20 EV
<ul> <li>Exposure meter coupling: Combined CPU and AI</li> </ul>
Modes: Auto modes (auto; auto [flash off]); scene modes (portrait; landscape; child; sports; close up; night portrait; night landscape; party/indoor; beach/snow; sunset; dusk/dawn; pet portrait; candlelight; blossom; autumn colors; food); special effects modes (night vision; color sketch; miniature effect; selective color; silhouette; high key; low key); programmed auto with flexible program (P); shutter-
<ul> <li>priority auto (S); aperture-priority auto (A); manual</li> <li>(M); U1 (user settings 1); U2 (user settings 2)</li> <li>Exposure compensation: Can be adjusted by -5 to +5</li> </ul>
EV in increments of 1/3 or 1/2 EV in P, S, A, M, SCENE and night vision modes.
Exposure lock: Luminosity locked at detected value with
<ul> <li>AE-L/AF-L button</li> <li>ISO sensitivity(Recommended Exposure Index): ISO 100 to 25600 in steps of 1/3 or 1/2 EV; in P, S, A, M modes, can also be set to approx. 1 or 2 EV (ISO</li> </ul>

÷,

	102400 equivalent; monochrome only) above ISO	
¢	25600; auto ISO sensitivity control available	
	Active D-Lighting: Auto, extra high, high, normal, low,	
·	off	
	Focus	
	Autofocus: Advanced Multi-CAM 3500 II autofocus	
	sensor module with TTL phase detection, fine-tuning,	
	51 focus points (including 15 cross-type sensors; f/8	
	supported by one sensor), and AF-assist illuminator	
	(range app rox. 0.5 to 3 m/1 ft 8 in. to 9 ft 10 in.)	
	Detection range: -3 to +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	
	<ul> <li>Manual focus (M): Electronic rangefinder can be used</li> </ul>	
	<ul> <li>Focus point: Can be selected from 51 or 11 focus points</li> </ul>	
	<ul> <li>&gt; AF-area modes: Single-point AF; 9-, 21- or 51-point</li> </ul>	
	dynamic-area AF, 3D-tracking, auto-area AF	
	<ul> <li>Focus lock: Focus can be locked by pressing shutter-</li> </ul>	
	release button halfway (single-servo AF) or by pressing	
	AE-L/AF-L button	
	• Flash	
	Built-in flash: Auto, portrait, child, close up, night	
	portrait, party/indoor, pet portrait, color sketch: Auto	
	flash with auto pop-up, P, S, A, M, food: Manual pop-up	
	with button release	
1	➢ 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 or	
	center-weighted metering, standard i-TTL fill-flash for	
	digital SLR with spot metering	
	Flash modes: 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; auto FP high-speed sync supported	
	> Flash compensation: -3 to +1 EV in increments of $1/3$	
	or 1/2 EV	
	Flash-ready indicator: Lights when built-in flash or	
	optional flash unit is fully charged; blinks after flash is	
	fired at full output	
Ì	Accessory shoe: ISO 518 hot-shoe with sync and data	
	contacts and safety lock	
	<ul> <li>Sync terminal: AS-15 Sync Terminal Adapter (available</li> </ul>	
	separately)	
	White Balance	

		White Balance: Auto (2 types), incandescent,	
		fluorescent (7 types), direct sunlight, flash, cloudy,	
		shade, preset manual (up to 6 values can be stored,	
		spot white balance measurement available during live	
		view), choose color temperature (2500 K to 10000 K),	
		all with fine-tuning	
	•	Bracketing	
		Bracketing types: Exposure, flash, white balance and	
		ADL	
	•	Live View	
		Live View Modes: Live view photography (still images),	
		movie live view (movies)	
	►	Lens servo: Autofocus (AF): Single-servo AF (AF-S);	
		full-time servo AF (AF-F), Manual focus (M)	
	►	AF-area modes: Face-priority AF, wide-area AF, normal-	
		area AF, subject-tracking AF	
	►	Autofocus: Contrast-detect AF anywhere in frame	
		(camera selects focus point automatically when face-	
		priority AF or subject-tracking AF is selected)	
	•	Movie	
		Metering: TTL exposure metering using main image	
		sensor	
		Metering method: Matrix or center-weighted	
		Frame size (pixels) and frame rate: 1920 x 1080; 60p	
		(progressive), 50p, 30p, 25p, 24p, 1280 x 720; 60p,	
	~	50p Actual frame rates for 60p 50p 30p 35p and 34p are	
		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	
		$1920 \times 1080$ ; 60p and 50p are available only when $1.3x$	
		(18x12) is selected for image area in the movie	
		shooting menu	
		File format: MOV	
}		Video compression: H.264/MPEG-4 Advanced Video	
		Coding	
		Audio recording format: Linear PCM	
		Audio recording device: Built-in or external stereo	
		microphone; sensitivity adjustable	
	≻	Maximum length: 29 min. 59 s (10 or 20 min.	
		depending on frame size/rate and movie quality	
		settings)	
· ·	×	Other movie options: Index marking, time-lapse	
		photography	
	-	Monitor	
		Monitor: 8-cm/3.2-in., approx. 1229 k-dot (VGA; 640 x	
		$480 \times 4 = 1,228,800 \text{ dots}$ ), TFT monitor with approx.	
1		170° viewing angle, approx. 100% frame coverage and	
		brightness adjustment	
L	<b>I</b>		I

<ul> <li>Playback: Full-frame and thumbnail (4, 9 or 72 images or calendar) playback with playback zoom, movie playback, photo and/or movie slide shows, histogram display, highlights, photo information, location data display and auto image rotation</li> <li>Interface</li> <li>USB: Hi-Speed USB; connection to built-in USB port is</li> </ul>
recommended
<ul> <li>HDMI output: Type C HDMI connector</li> <li>Accessory terminal: Wireless remote controllers: WR-1 and WR-R10, Remote cord: MC-DC2, GPS unit: GP-1/G P-1A (all available separately)</li> </ul>
Audio input: Stereo mini-pin jack (3.5-mm diameter;
plug-in power supported)
Audio output: Stereo mini-pin jack (3.5-mm diameter)
<ul> <li>Wireless</li> <li>Standards: IEEE 802.11b, IEEE 802.11g</li> </ul>
<ul> <li>Operating frequency: 2412 to 2462 MHz (channels 1 to 11)</li> </ul>
Range (line of sight): Approx. 30 m/98 ft (assumes no interference; range may vary with signal strength and presence or absence of obstacles)
<ul> <li>Data rate: 54 Mbps; maximum logical data rates according to IEEE standard; actual rates may differ</li> </ul>
Authentication: Open system, WPA2-PSK
Wireless setup: Supports WPS     Access protocols: Infrastructure
<ul> <li>Access protocols: Infrastructure</li> <li>NFC</li> </ul>
<ul> <li>Operation: NFC Forum Type 3 Tag</li> </ul>
<ul> <li>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</li> </ul>
Power source Potton: One EN EL15 Rechargeable Lision Batten:
<ul> <li>Battery: One EN-EL15 Rechargeable Li-ion Battery</li> <li>Battery pack: Optional MB-D15 Multi-Power Battery Pack with one EN-EL15 Rechargeable Li-ion Battery or six R6/AA-size alkaline, Ni-MH or lithium batteries</li> </ul>
AC adapter: EH-5b AC Adapter; requires EP-5B Power
Connector (available separately) <ul> <li>Tripod socket: 1/4 in. (ISO 1222)</li> </ul>
Dimensions / weight: Approx. 135.5 x 106.5 x 76 mm/5.4 x 4.2 x 3.0 in.
Weight: Approx. 765 g/1 lb 11.0 oz with battery and memory card but without body cap; approx. 675 g/1 lb

<ul> <li>7.9 oz (camera body only)</li> <li>&gt; Operating environment: Temperature: 0 to 40°C/32 to 104°F; humidity: 85% or less (no condensation)</li> <li>&gt; Accessories (may differ by country or area): EN-EL15 Rechargeable Li-ion Battery, MH-25a Battery Charger, UC-E17 USB Cable, AN-DC1 BK Camera Strap, BF-1B Body Cap, DK-5 Eyepiece Cap, DK-23 Rubber Eyecup</li> </ul>
<ul> <li>C. Warranty</li> <li>&gt; One (1) year on parts and Three (3) years on service</li> </ul>
 * Inclusive of Delivery and Installation

I hereby certify to comply with all the above Technical Specifications.

Name	of Company/Bidder	Signature over Printed Name of Representative	Date
	1		

# SCHEDULE OF REQUIREMENTS

		_	
Item	SCHEDULE OF REQUIREMENTS	Quantity	Contract Duration
	The Bidder/Supplier shall provide the following needed for the project:		
A	Two (2) units of DSLR Camera	2 units	Within thirty (30) calendar days upon receipt of the Notice to Proceed.
В	Warranty		One (1) year on parts and Three (3) years on service

I hereby certify to comply and deliver all the above requirements.

Name of Company/Bidder Signature over Printed Name of Representative Date

REPUBLIC OF THE PHILIPPINES ) CITY/MUNICIPALITY OF \_\_\_\_\_ ) S.S.

## AFFIDAVIT

I, *[Name of Affiant]*, of legal age, *[Civil Status]*, *[Nationality]*, and residing at *[Address of Affiant]*, after having been duly sworn in accordance with law, do hereby depose and state that:

### 1. Select one, delete the other:

*If a sole proprietorship:* I am the sole proprietor of *[Name of Bidder]* with office address at *[address of Bidder]*;

If a partnership, corporation, cooperative, or joint venture: I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];

### 2. Select one, delete the other:

*If a sole proprietorship:* As the owner and sole proprietor of *[Name of Bidder]*, I have full power and authority to do, execute and perform any and all acts necessary to represent it in the bidding for *[Name of the Project]* of the *[Name of the Procuring Entity]*;

If a partnership, corporation, cooperative, or joint venture: I am granted full power and authority to do, execute and perform any and all acts necessary and/or to represent the [Name of Bidder] in the bidding as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate issued by the corporation or the members of the joint venture)];

- 3. *[Name of Bidder]* is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board;
- 4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
- 5. *[Name of Bidder]* is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;
- 6. Select one, delete the rest:

*If a sole proprietorship:* I am not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

*If a partnership or cooperative:* None of the officers and members of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

*If a corporation or joint venture:* None of the officers, directors, and controlling stockholders of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

- 7. [Name of Bidder] complies with existing labor laws and standards; and
- 8. *[Name of Bidder]* is aware of and has undertaken the following responsibilities as a Bidder:
  - a) Carefully examine all of the Bidding Documents;
  - b) Acknowledge all conditions, local or otherwise, affecting the implementation of the Contract;
  - c) Made an estimate of the facilities available and needed for the contract to be bid, if any; and
  - d) Inquire or secure Supplemental/Bid Bulletin(s) issued for the [Name of the Project].
- 9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
- IN WITNESS WHEREOF, I have hereunto set my hand this \_\_\_ day of \_\_\_\_, 20\_\_ at \_\_\_\_, Philippines.

Bidder's Representative/Authorized Signatory

**SUBSCRIBED AND SWORN** to before me this \_\_\_\_\_ day of *[month] [year]* at *[place of execution]*, Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No.02-8-13-SC). Affiant/s exhibited to me his/her *[insert type of government*]

*identification card used]*, with his/her photograph and signature appearing thereon, with no. \_\_\_\_\_ and his/her \_\_\_\_\_ No. \_\_\_\_\_ issued on \_\_\_\_\_ at \_\_\_\_.

Witness my hand and seal this \_\_\_\_ day of [month] [year].

### NAME OF NOTARY PUBLIC

Serial No. of Commission \_\_\_\_\_\_ Notary Public for \_\_\_\_\_ until \_\_\_\_\_ Roll of Attorneys No. \_\_\_\_\_ PTR No. \_\_, [date issued], [place issued] IBP No. \_\_, [date issued], [place issued]

Doc. No. \_\_\_\_ Page No. \_\_\_\_ Book No. \_\_\_\_ Series of \_\_\_\_