



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 S. LITA

Director IV, Administrative Service *MAD*

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 | Quantity | Unit Price | Total Price |
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| Supply, Delivery, and Testing of Two (2) units of DSLR Camera | A. DSLR Camera 1 (Body only) <ul style="list-style-type: none"> • Camera Specifications <ul style="list-style-type: none"> ➤ 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 <ul style="list-style-type: none"> ➤ Image size (pixels): <ul style="list-style-type: none"> - FX format (36x24): 6,016 x 4,016 (L), 4,512 x 3,008 (M), 3,008 x 2,008 (S) - DX format (24x16): 3,936 x 2,624 (L), 2,944 x 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 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: <ul style="list-style-type: none"> - NEF (RAW): 12 or 14 bit, | | | |

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| | | <p>lossless compressed or compressed</p> <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> ➤ 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 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 Image File Format for Digital Still Cameras) 2.3, PictBridge <ul style="list-style-type: none"> • View Finder <ul style="list-style-type: none"> ➤ View Finder: Eye-level pentaprism single-lens reflex viewfinder ➤ Frame coverage: <ul style="list-style-type: none"> - 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⁻¹) ➤ Eyepoint: 21 mm (-1.0 m⁻¹; from center surface of viewfinder eyepiece lens) | | | |
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| | | <ul style="list-style-type: none"> ➤ Diopter adjustment: -3 to +1 m₁ ➤ Focusing screen: Type B BriteView Clear Matte Mark VIII screen with AF area brackets (framing grid can be displayed) ➤ 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 <ul style="list-style-type: none"> ➤ 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 <ul style="list-style-type: none"> ➤ Type: Electronically-controlled 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 ➤ Flash sync speed: X=1/200 s; synchronizes with shutter at 1/250 s or slower (flash range | | | |
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drops at speeds between 1/200 and 1/250 s)

- **Release**

- Release Modes: S (single frame), CL (continuous low speed), CH (continuous high speed), Q (quiet shutter-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

- **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)
 - Matrix or center-weighted

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| | | <p>metering: 0 to 20 EV</p> <ul style="list-style-type: none"> - Spot metering: 2 to 20 EV ➤ Exposure meter coupling: Combined CPU and AI ➤ Exposure modes: Auto (📷 auto; 📷 auto [flash off]), scene (👤 portrait, 🌄 landscape, 👶 child, 🏀 sports, 🍷 close up, 🌃 night portrait, 🌃 night landscape, 🎉 party/indoor, 🌨 each/snow, 🌅 sunset, 🌄 dusk/dawn, 🐾 pet portrait, 🕯 candlelight, 🌸 blossom, 🍁 autumn colors, 🍽 food, 🌑 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 -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 | | | |
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- **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)
- Flash control: TTL: i-TTL flash control using 2,016-pixel RGB sensor is available with built-in

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| | | <p>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</p> <ul style="list-style-type: none"> ➤ 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 bracketing: 2 to 3 frames in steps of 1/3, 1/2, 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 ➤ Sync terminal: AS-15 Sync Terminal Adapter (available separately) <ul style="list-style-type: none"> • White Balance <ul style="list-style-type: none"> ➤ 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 ➤ White balance bracketing: 2 to 3 frames in steps of 1, 2 or 3 • Live View <ul style="list-style-type: none"> ➤ Modes: Live view photography (still images), movie live view (movies) | | | |
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| | | <ul style="list-style-type: none"> ➤ 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 <ul style="list-style-type: none"> ➤ 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 <ul style="list-style-type: none"> ➤ Monitor: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-temperature polysilicon TFT LCD | | | |
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with 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)
- Audio output: Stereo mini-pin jack (3.5-mm diameter)

- **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**

- Battery: One EN-EL15 Rechargeable Li-ion Battery
- 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
- AC adapter: EH-5b AC Adapter; requires EP-5B Power Connector (available separately)

- **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**

- 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-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)

- **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):

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| | | <ul style="list-style-type: none"> - 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 x 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 x 2696 [L], 3600 x 2024 [M], 2400 x 1344 [S] ➤ File Format: <ul style="list-style-type: none"> - 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 ➤ Double Card Slot: 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 2.0, DPOF, Exif 2.3, PictBridge • View Finder | | | |
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| | | <ul style="list-style-type: none"> ➤ View Finder: Eye-level pentaprism single-lens reflex viewfinder ➤ Frame coverage: <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> ➤ Compatible Lenses: <ul style="list-style-type: none"> - 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) • Shutter | | | |
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| | | <ul style="list-style-type: none"> ➤ Type: Electronically controlled vertical-travel focal-plane shutter ➤ Speed: 1/8000 to 30 s in steps of 1/3 or 1/2 EV, bulb, time, X250 ➤ Flash Sync Speed: X=1/250 s; synchronizes with shutter at 1/320 s or slower (flash range drops at speeds between 1/250 and 1/320 s) • Release <ul style="list-style-type: none"> ➤ Release Modes: S (single frame), CL (continuous low speed), CH (continuous high speed), Q (quiet shutter-release), Self-timer, MUP (mirror up) ➤ Approximate frame advance rate: <ul style="list-style-type: none"> - JPEG and 12-bit NEF (RAW) images recorded with DX (24x16) selected for image area: CL 1 to 6 fps, CH 6 fps - JPEG and 12-bit NEF (RAW) images recorded with 1.3x (18x12) selected for image area: CL 1 to 6 fps, CH 7 fps - 14-bit NEF (RAW) images recorded with DX (24x16) selected for image area: CL 1 to 5 fps, CH 5 fps - 14-bit NEF (RAW) images recorded with 1.3x (18x12) selected for image area: CL 1 to 6 fps, CH 6 fps - Maximum frame rate in live view is 3.7 fps ➤ 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 control modes : (ML-L3) Delayed remote, quick-response remote, remote mirror-up • Exposure <ul style="list-style-type: none"> ➤ Metering: TTL exposure metering using 2016-pixel RGB sensor ➤ Metering method: Matrix: 3D | | | |
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| | | <p>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</p> <ul style="list-style-type: none"> ➤ 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) ➤ 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 ➤ Spot metering: 2 to 20 EV ➤ Exposure meter coupling: Combined CPU and AI ➤ 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-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, M, SCENE and night vision modes. | | | |
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| | | <ul style="list-style-type: none"> ➤ Exposure lock: Luminosity locked at detected value with AE-L/AF-L button ➤ 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 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 ➤ 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-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, portrait, child, close up, night portrait, party/indoor, pet portrait, color | | | |
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| | | <p>sketch: Auto flash with auto pop-up, P, S, A, M, food: Manual pop-up with button release</p> <ul style="list-style-type: none"> ➤ 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 ➤ 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 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 | | | |
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| | | <ul style="list-style-type: none"> • Bracketing <ul style="list-style-type: none"> ➤ Bracketing types: Exposure, flash, white balance and ADL • Live View <ul style="list-style-type: none"> ➤ 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 <ul style="list-style-type: none"> ➤ 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, 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; | | | |
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| | | <p>sensitivity adjustable</p> <ul style="list-style-type: none"> ➤ 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 <ul style="list-style-type: none"> • 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 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 <ul style="list-style-type: none"> • Interface ➤ 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 available separately) ➤ 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 style="list-style-type: none"> • Wireless ➤ Standards: IEEE 802.11b, IEEE 802.11g ➤ Operating frequency: 2412 to 2462 MHz (channels 1 to 11) ➤ Range (line of sight): Approx. 30 m/98 ft (assumes no interference; range may vary with signal strength and | | | |
|--|--|--|--|--|--|

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|--|--|--|--|--|--|
| | | <p>presence or absence of obstacles)</p> <ul style="list-style-type: none"> ➤ Data rate: 54 Mbps; maximum 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, 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 | | | |
| | | C. Warranty ➤ One (1) year on parts and Three (3) years on service | | | |
| | * Inclusive of Delivery and Installation | | | | |
| | Total (inclusive 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 | |
| | <p>A. DSLR Camera 1 (Body only)</p> <ul style="list-style-type: none"> • Camera Specifications <ul style="list-style-type: none"> ➤ 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 <ul style="list-style-type: none"> ➤ Image size (pixels): <ul style="list-style-type: none"> - FX format (36x24): 6,016 x 4,016 (L), 4,512 x 3,008 (M), 3,008 x 2,008 (S) - DX format (24x16): 3,936 x 2,624 (L), 2,944 x 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 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: <ul style="list-style-type: none"> - 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; 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 Image File Format for Digital Still Cameras) 2.3, PictBridge

- **View Finder**

- View Finder: Eye-level 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^{-1})
- Eyepoint: 21 mm (-1.0 m^{-1} ; from center surface of viewfinder eyepiece lens)
- Diopter adjustment: -3 to $+1\text{ m}^{-1}$
- Focusing screen: Type B BriteView Clear Matte Mark VIII screen with AF area brackets (framing grid can be displayed)
- 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**



- 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 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
- Flash sync speed: $X=1/200\text{ s}$; synchronizes with shutter at 1/250 s or slower (flash range drops at speeds between 1/200 and 1/250 s)






















- **Release**

- Release Modes: S (single frame), CL (continuous low

speed), CH (continuous high speed), Q (quiet shutter-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

• 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)
 - 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,  child,  sports,  close up,  night portrait,  night landscape,  party/indoor,  beach/snow,  sunset,  dusk/dawn,  pet portrait,  candlelight,  blossom,  autumn colors,  food,  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 -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)
- 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
- 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 bracketing: 2 to 3 frames in steps of 1/3, 1/2, 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
- 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
 - White balance bracketing: 2 to 3 frames in steps of 1, 2 or 3
- **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
 - 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: Monitor 8-cm (3.2-in.), approx. 921k-dot (VGA), low-temperature polysilicon TFT LCD with 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)
- Audio output: Stereo mini-pin jack (3.5-mm diameter)

- **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**

- Battery: One EN-EL15 Rechargeable Li-ion Battery
- 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
- AC adapter: EH-5b AC Adapter; requires EP-5B Power Connector (available separately)

- **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**

- 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-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 | |
| | <p>B. DSLR Camera 2 (Body only)</p> <ul style="list-style-type: none"> • Camera Specifications <ul style="list-style-type: none"> ➤ 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 <ul style="list-style-type: none"> ➤ Image size (pixels): <ul style="list-style-type: none"> - 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 x 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 x 2696 [L], 3600 x 2024 [M], 2400 x 1344 [S] ➤ File Format: <ul style="list-style-type: none"> - 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 ➤ Double Card Slot: 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 2.0, DPOF, Exif 2.3, PictBridge

- **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
- 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)

- **Shutter**

- Type: Electronically controlled vertical-travel focal-plane shutter
- Speed: 1/8000 to 30 s in steps of 1/3 or 1/2 EV, bulb, time, X250
- Flash Sync Speed: X=1/250 s; synchronizes with shutter at 1/320 s or slower (flash range drops at speeds between 1/250 and 1/320 s)

- **Release**

- Release Modes: S (single frame), CL (continuous low speed), CH (continuous high speed), Q (quiet shutter-release), Self-timer, MUP (mirror up)
- Approximate frame advance rate:
 - JPEG and 12-bit NEF (RAW) images recorded with DX

- (24x16) selected for image area: CL 1 to 6 fps, CH 6 fps
- JPEG and 12-bit NEF (RAW) images recorded with 1.3x (18x12) selected for image area: CL 1 to 6 fps, CH 7 fps
- 14-bit NEF (RAW) images recorded with DX (24x16) selected for image area: CL 1 to 5 fps, CH 5 fps
- 14-bit NEF (RAW) images recorded with 1.3x (18x12) selected for image area: CL 1 to 6 fps, CH 6 fps
- Maximum frame rate in live view is 3.7 fps
- 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 control modes : (ML-L3) Delayed remote, quick-response remote, remote mirror-up
- **Exposure**
- Metering: TTL exposure metering using 2016-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 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)
- 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
- Spot metering: 2 to 20 EV
- Exposure meter coupling: Combined CPU and AI
- 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-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, M, SCENE and night vision modes.
- Exposure lock: Luminosity locked at detected value with AE-L/AF-L button
- 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

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 approx. 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
- 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-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, 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
- 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
- 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 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, 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; 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 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
- **Interface**
 - 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/GP-1A (all available separately)
 - Audio input: Stereo mini-pin jack (3.5-mm diameter; plug-in power supported)
 - Audio output: Stereo mini-pin jack (3.5-mm diameter)
- **Wireless**
 - Standards: IEEE 802.11b, IEEE 802.11g
 - Operating frequency: 2412 to 2462 MHz (channels 1 to 11)
 - Range (line of sight): Approx. 30 m/98 ft (assumes no interference; range may vary with signal strength and presence or absence of obstacles)
 - Data rate: 54 Mbps; maximum 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, 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 | |
| | C. Warranty ➤ One (1) year on parts and Three (3) years on service | |
| | * 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

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. |
| B | 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

Omnibus Sworn Statement

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 ____