

NIKON DX40 DIGITAL CAMERA

Extraordinary Nikon Image Quality The D40x's high-resolution image quality is made possible by Nikon's high-performance 10.2 effective megapixel Nikon DX format CCD imaging sensor and exclusive Nikon image-processing engine, assuring stunning sharpness and color.

Type of Camera: Single-lens reflex digital camera Effective Pixels: 10.2 million Image Sensor: RGB CCD, 23.6 x 15.8 mm; total pixels: 10.75 million, Nikon DX format Image Size (pixels): 3,872 x 2,592 [L], 2,896 x 1,944 [M], 1,936 x 1,296 [S] ISO Sensitivity: 100 to 1600 in steps of 1 EV with additional setting one step over 1600 Storage Media: SD memory card, SDHC compliant Storage System: Compressed NEF (RAW): 12-bit compression; JPEG: JPEG baseline compliant File System: Exif 2.21, Compliant DCF 2.0 and DPOF White Balance: Auto (TTL white balance with 420-pixel RGB sensor); six manual modes with fine tuning and preset white balance LCD Monitor: 2.5-inch, 230,000-dot, low-temperature polysilicon TFT LCD with 170-degree wide-angle viewing and brightness adjustment Playback Function: 1 frame; thumbnail (4 or 9 segments); magnifying playback; slide show; histogram indication; highlight point display; auto image rotation Delete Function: Card format, all frames delete, selected frames delete Video Output: NTSC or PAL Text Input: Up to 36 characters of alphanumeric text input available with LCD monitor and multi selector; stored in Exif header Compatible Lenses*: Nikon F mount with AF coupling and AF contacts Type G or D AF Nikkor: 1) AF-S, AF-I: All functions supported; 2) Other Type G or D AF Nikkor: All functions supported except autofocus; 3) PC Micro-Nikkor 85mm f/2.8D: Can only be used in mode M; all other functions supported except autofocus; 4) Other AF Nikkor*/AI-P Nikkor: All functions supported except autofocus and 3D Color Matrix Metering II; 5) Non-CPU: Can be used in mode M, but exposure meter does not function; electronic range finder can be used if maximum aperture is f/5.6 or faster; 6) IX Nikkor lenses cannot be used

" Excluding lenses for F3A Picture Angle: Equivalent in 35mm [135] format is approx. 1.5 times lens focal length Eyepoint: 18mm (-1.0 m-1) Viewfinder: Fixed-eyelevel penta-Dach mirror type; built-in diopter adjustment (-1.7 to +0.5m-1) Focusing Screen: Type B BriteView Clear Matte screen Mark V with superimposed focus brackets Viewfinder Frame Coverage: Approximately 95% (vertical/horizontal) Viewfinder Magnification: Approx. 0.8x with 50mm lens at infinity; -1.0 m-1 Viewfinder Information: Focus indications, AE/FV lock indicator, shutter speed, aperture value, exposure/exposure compensation indicator, exposure mode, flash output level compensation, exposure compensation, number of remaining exposures, flash-ready indicator Autofocus: TTL phase detection by Nikon Multi-CAM530 autofocus module with AF-assist (range approximately 0.5-3.0m/1ft. 8in.-9ft. 10in.); Detection range: -1 to +19 EV (ISO 100 at 20 degrees C/68 degrees F) Lens Servo: 1) Autofocus (AF): Instant single-servo AF (AF-S); continuous servo AF (AF-C); auto AF-S/AF-C selection (AF-A); predictive focus tracking automatically activated according to subject status; 2) Manual focus (M) Focus Area: Can be selected from 3 focus areas AF Area Modes: 1) Single Area AF; 2) Dynamic Area AF; 3) Dynamic Area AF with Closest Subject Priority Focus Lock: Focus can be locked by pressing shutter-release button halfway (single-servo AF) or by pressing AE-L/AF-L button Exposure Metering System: TTL full-aperture exposure metering system: 1) 3D Color Matrix Metering II (type G and D lenses); Color Matrix Metering II (other CPU lenses); metering performed by 420-segment RGB sensor; 2) Center-weighted: Weight of 75% given to 8mm circle in center of frame; 3) Spot: Meters 3.5mm circle (about 2.5% of frame) centered on active focus area Exposure Metering Range: 1) 0 to 20 EV (3D Color Matrix or center-weighted metering); 2) 2 to 20 EV (spot metering) Exposure Modes: Digital Vari-program (Auto, Auto [Flash Off], Portrait, Landscape, Child, Sports, Close Up, Night Portrait), Programmed Auto (P) with flexible program; Shutter-Priority Auto (S); Aperture Priority Auto (A); Manual (M) Exposure Compensation: plus or minus 5 EV in increments of 1/3 EV Exposure Lock: Exposure locked at detected value with AE-L/AF-L button Shooting Modes: 1) Single frame shooting mode; 2) Continuous shooting mode: approx. 2.5 frames per second; 3) Self-timer mode; 4) Delayed remote mode: 2 s. delay; 5) Quick-response remote mode

Approx. 1.7 frames per second with Noise Reduction turned on and approx. 1 frame per second with ISO HI1 Shutter: Combined mechanical and CCD electronic shutter, 30 to 1/4000 sec. in steps of 1/3, bulb Sync Contact: X-contact only; flash synchronization at up to 1/200 sec. Flash Control: 1) TTL: TTL flash control by 420-segment RGB sensor, i-TTL balanced fill-flash for digital SLR and standard i-TTL fill-flash for digital SLR available when CPU lens is used with built-in flash, SB-800, SB-600 and T041; 2) Auto aperture: Available with SB-800 with CPU lens; 3) Non-TTL Auto: Available with Speedlights such as SB-800, 80DX, 28DX, 28, 27 and 22s; 4) Range-priority manual available with SB-800 Flash Sync Modes: Auto, Portrait, Child and Close Up modes: 1) Auto, auto with red-eye reduction; fill-flash and red-eye reduction available with optional Speedlight; 2) Night portrait mode: Auto, auto slow sync, auto slow sync with red-eye reduction; slow sync and slow sync with red-eye reduction available with optional Speedlight; 3) Landscape, Sport mode: Fill-flash and red-eye reduction available with optional Speedlight; 4) P, A: Fill flash, rear-curtain with slow sync, slow sync, slow sync with red-eye reduction, red-eye reduction; 5) S, M: Fill flash, rear-curtain sync, red-eye reduction Built-in Flash: Auto, Portrait, Child, Close Up, Night Portrait mode: Auto flash with auto pop-up P/S/A/M: Manual pop-up with button release Guide number (ISO 200/ISO 100, m [ft.]): approx. 17 [55]/12 [39] (manual full 18 [59]/13 [42]) Flash Compensation: -3 to +1 EV in increments of 1/3 EV Accessory Shoe: Standard ISO hot-shoe contact with sync, signal and ground contacts and safety lock Self-Timer: Electronically controlled timer with duration of 2, 5, 10 or 20 seconds Remote Control: Via optional ML-L3 Wireless Remote Control Power Source: One Rechargeable Li-ion Battery EN-EL9; charging voltage (MH-23 quick charger): 7.4V DC, EH-5 AC Adapter (available separately; requires optional EP-5 AC Adapter Connector) Tripod Socket: 1/4 in. (ISO1222) Dimensions (W x D x H): Approximately 5.0 x 2.5 x 3.7 inches Weight: Approximately 1lb., 1oz. without battery, memory card or body cap Included Accessories: EN-EL9 Rechargeable Li-ion Battery, MH-23 Quick Charger, UC-E4 USB Cable, PictureProject, DK-16 Rubber Eyecup, Camera Strap, BF-1A Body Cap, DK-5 Eyepiece Cap, BS-1 Accessory Shoe Cap.

*Supplied accessories may differ depending on country or area. Optional Accessories: ML-L3 Wireless Remote Control,

Capture NX, Camera Control Pro, EH-5 AC Adapter, EP-5 AC Adapter Connector, EG-D100Video Cable, Semi Soft-Case CF-DC1, Speedlight SB-800/SB-600/SB-400/R1C1Notice: Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. March 2007 (c) 2007 NIKON CORPORATIONOS: Certified for Windows Vista(TM); Mac OS X