

NIKON Z6 SPECIFICATIONS

Tripod socket

1/4-in. (ISO 1222)

Picture Control System

Auto, Standard, Neutral, Vivid, Monochrome, Portrait, Landscape, Flat.

Creative Picture Controls (Dream, Morning, Pop, Sunday, Somber, Dramatic, Silence, Bleached, Melancholic, Pure, Denim, Toy, Sepia, Blue, Red, Pink, Charcoal, Graphite, Binary, Carbon); selected Picture Control can be modified; storage for custom Picture Controls.

Wi-Fi (Wireless LAN) range (line of sight)

Approximately 10 m (32 ft) without interference; range may vary with signal strength and presence or absence of obstacles

Viewfinder

1.27-cm/0.5-in. approx. 3690k-dot (Quad VGA) OLED with color balance and auto and 11-level manual brightness controls

Multiple exposure

Add, average, lighten, darken

Operating environment - temperature

0 °C to 40 °C (+32 °F to 104 °F)

Storage file formats

NEF (RAW): 12 or 14 bit (lossless compressed, compressed, or uncompressed); large, medium, and small available (medium and small images are recorded at a bit depth of 12 bits using lossless compression).

TIFF (RGB).

JPEG: JPEG-Baseline compliant with fine (approx. 1 : 4), normal (approx. 1 : 8), or basic (approx. 1 : 16) compression; optimal quality compression available.

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

Lens VR

Lens shift (available with VR lenses)

Flash sync speed

X=1/200 s; synchronizes with shutter at 1/200 s or slower; Auto FP High-Speed sync supported

Lens servo

Autofocus (AF):

Single-servo AF (AF-S), Continuous-servo AF (AF-C), full-time AF (AF-F; available only in movie mode); predictive focus tracking.

Manual focus (M):

Electronic rangefinder can be used

Focus points

273 (single-point AF)

Flash modes

Front-curtain sync, slow sync, rear-curtain sync, red-eye reduction, red-eye reduction with slow sync, slow rear-curtain sync, off

Frame advance rate

Up to 12 fps. Low-speed continuous: 1 to 5 fps. High-speed continuous: 5.5 fps. High-speed continuous (extended): 12 fps (14-bit NEF/RAW: 9 fps)

Release mode

Single frame, low-speed continuous, high-speed continuous, high-speed continuous (extended), self-timer

Battery

One EN-EL15b rechargeable Li-ion battery; EN-EL15a/EN-EL15 can also be used, but note that fewer pictures can be taken on a single charge and that charging AC adapter can be used to charge EN-EL15b batteries only

Flash control

TTL: i-TTL flash control; i-TTL balanced fill-flash is used with matrix, center-weighted, and highlight-weighted metering, standard i-TTL fill-flash with spot metering

Movie - audio recording format

Linear PCM , AAC

Accessory shoe

ISO 518 hot-shoe with sync and data contacts and safety lock

Movie - metering method

Matrix, center-weighted, or highlight-weighted

Operating environment - humidity

85% or less (no condensation)

Compatible lenses

Z mount NIKKOR lenses. F mount NIKKOR lenses with mount adapter; restrictions may apply.

Other options

HDR (high dynamic range), photo mode flicker reduction

Movie - video compression

H.264/MPEG-4 Advanced Video Coding

Exposure compensation

-5 to +5 EV in increments of 1/3 or 1/2 EV available in modes P, S, A, and M

Movie - audio recording device

Built-in stereo or external microphone with attenuator option; sensitivity adjustable

Total pixels

25.28 million

Eyepoint

21 mm (-1.0 m-1; from center surface of viewfinder eyepiece lens)

ISO sensitivity

ISO 100 to 51200

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 204800 equivalent) above ISO 51200
auto ISO sensitivity control available

Wi-Fi (Wireless LAN) operating frequency

2412 to 2462 MHz (channel 11) and 5180 to 5320 MHz

Movie - Other options

Time-lapse movies, electronic vibration reduction, time codes, movie log output (N-Log)

Wi-Fi (Wireless LAN) maximum output power

2.4 GHz band: 7.0 dBm. 5 GHz band: 12.1 dBm

Image size (pixels)

FX (36x24) image area

(L) 6048 x 4024 (24.3 million), (M) 4528 x 3016 (13.7 million), (S) 3024 x 2016 (6.1 million).

DX (24x16) image area

(L) 3936 x 2624 (10.3 million), (M) 2944 x 1968 (5.8 million), (S) 1968 x 1312 (2.6 million).

1 : 1 (24x24) image area

(L) 4016 x 4016 (16.1 million), (M) 3008 x 3008 (9.0 million), (S) 2000 x 2000 (4.0 million).

16 : 9 (36x20) image area

(L) 6048 x 3400 (20.6 million), (M) 4528 x 2544 (11.5 million), (S) 3024 x 1696 (5.1 million).

Photographs taken during movie recording at a frame size of 3840 x 2160: 3840 x 2160

Photographs taken during movie recording at other frame sizes: 1920 x 1080

Weight

Approx. 675 g (1 lb. 7.9 oz.) with battery and memory card but without body cap;

approx. 585 g/1 lb. 4.7 oz. (camera body only)

Card slot

1 XQD card

Dimensions (W x H x D)

Approx. 134 x 100.5 x 67.5 mm (5.3 x 4 x 2.7 in.)

Effective angle of view

FX (full-frame)

Flash-ready indicator

Lights when optional flash unit is fully charged; flashes as underexposure warning after flash is fired at full output

Exposure metering

TTL exposure metering

Image sensor

CMOS, 35.9 mm x 23.9 mm

AF-area mode

Pinpoint, single-point, and dynamic-area AF (pinpoint and dynamic-area AF available in photo mode only); wide-area AF (S); wide-area AF (L); auto-area AF

Movie - Active D-Lighting

Can be selected from Same as photo settings, Extra high, High, Normal, Low, or Off

Autofocus

273 points (phase-detection, in single-point AF) / 90% coverage vertically & horizontally.

Bracketing types

Exposure, Flash, White balance, ADL

Shutter speed

1/8000 to 30 s in steps of 1/3 or 1/2 EV, bulb, time, X200

Audio input

Stereo mini-pin jack (3.5 mm diameter; plug-in power supported)

Metering range (ISO 100, f/1.4 lens, 20 °C/68 °F)

-4 to +17 EV (ISO 100, f/2.0 lens, 20 °C/68 °F)

Accessory terminal(s)

Can be used with MC-DC2 and other optional accessories

Self-timer

2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2, or 3 s

Active D-Lighting

Can be selected from Auto, Extra high, High, Normal, Low, or Off

Bluetooth standards

Communication protocols: Bluetooth Specification Version 4.2

Operating frequency: Bluetooth: 2402 to 2480 MHz. Bluetooth Low Energy: 2402 to 2480 MHz

Maximum output power (EIRP): Bluetooth: 1.9 dBm. Bluetooth Low Energy: 0.4 dBm

Exposure meter coupling

CPU

Supplied accessories

BF-N1 Body Cap, DK-29 Rubber Eyecup (comes attached to camera), EN-EL15b Rechargeable Li-ion, Battery with terminal cover, MH-25a Battery Charger (comes with either an AC wall adapter or power cable of a type and shape that varies with the country or region of sale), AN-DC19 Strap, HDMI/USB Cable Clip, UC-E24 USB Cable, BS-1 Accessory Shoe Cover.

Focus lock

Focus can be locked by pressing shutter-release button halfway (single-servo AF) or by pressing the center of the sub-selector

Monitor

8 -cm (3.2 -in.) diagonal. Tilting TFT touch-sensitive LCD with 170° viewing angle, approximately 100% frame coverage, and color balance and 11-level manual brightness controls. Approx. 2100 k-dot.

Flash compensation

-3 to +1 EV in steps of 1/3 or 1/2 EV available in modes P, S, A, and M

Wi-Fi (Wireless LAN) standards

IEEE 802.11b/g/n/a/ac

Movie - metering

TTL exposure metering using main image sensor

Movie - file format

MOV , MP4

Magnification

Approx. 0.8× (50 mm lens at infinity, -1.0 m-1)

Lens mount

Nikon Z mount

Shutter type

Electronically-controlled vertical-travel focal-plane mechanical shutter; electronic front-curtain shutter; electronic shutter.

Movie - frame size (pixels) and frame rate

3840 x 2160 (4K UHD); 30p (progressive), 25p, 24p.

1920 x 1080; 120p, 100p, 60p, 50p, 30p, 25p, 24p.

1920×1080 (slow-mo); 30p ×4, 25p ×4, 24p ×5.

Actual frame rates for 120p, 100p, 60p, 50p, 30p, 25p, and 24p are 119.88, 100, 59.94, 50, 29.97, 25, and 23.976 fps respectively; quality selection available at all sizes except 3840 x 2160, 1920 x 1080 120p/100p, and 1920 x 1080 slow-mo, when quality is fixed at high.

Detection range

-2 to +19 EV (-4 to +19 EV with low-light AF)

USB

Type C connector (SuperSpeed USB). Connection to built-in USB port is recommended.

Supported languages

Bulgarian, Czech, Danish, German, English, Spanish, Greek, French, Italian, Hungarian, Dutch, Norwegian, Polish, Portuguese, Russian, Romanian, Serbian, Finnish, Swedish, Turkish, Ukrainian, Arabic

Frame coverage

Approx. 100% horizontal and 100% vertical

Mode

Auto; programmed auto with flexible program (P); shutter-priority auto (S); aperture-priority auto (A); manual (M); user settings (U1, U2, U3)

Nikon Creative Lighting System

i-TTL flash control, radio-controlled Advanced Wireless Lighting, optical Advanced Wireless Lighting, modeling illumination, FV lock, Color Information Communication, Auto FP High-Speed Sync, unified flash control

Playback

Full-frame and thumbnail (4, 9, or 72 images) playback with playback zoom, playback zoom cropping, movie playback, photo and/or movie slide shows, histogram display, highlights, photo information, location data display, picture rating, and auto image rotation.

Wi-Fi (Wireless LAN) security

Authentication: Open system, WPA2-PSK

Eye sensor

Automatically switches between monitor and viewfinder displays

Effective pixels

24.5 million

Dust-reduction system

Image Dust Off reference data (requires Capture NX-D); image sensor cleaning.

AC adapter

EH-5c/EH-5b AC adapter (requires EP-5B power connector, which is available separately)

Metering method

Matrix metering.

Center-weighted metering: Weight of 75% given to 12 mm circle in center of frame; weighting can instead be based on average of entire frame.

Spot metering: Meters 4 mm circle (about 1.5% of frame) centered on selected focus point.

Highlight-weighted metering.

White balance

Auto (3 types), natural light auto, direct sunlight, cloudy, shade, incandescent, fluorescent (7 types), flash, choose color temperature (2500 K to 10,000 K), preset manual (up to 6 values can be stored), all except choose color temperature with fine-tuning

HDMI output

Type C HDMI connector

Type

Mirrorless

File system

DCF 2.0, Exif 2.31, PictBridge

Diopter adjustment

-4 to +2 m-1

Movie - ISO sensitivity

Auto: Auto ISO sensitivity control (ISO 100 to 51200).

P, S, A: Auto ISO sensitivity control (ISO 100 to Hi 2) with selectable upper limit.

M: Auto ISO sensitivity control (ISO 100 to Hi 2) available with selectable upper limit; manual selection (ISO 100 to 51200 in steps of 1/3 or 1/2 EV) with additional options available equivalent to approximately 0.3, 0.5, 0.7, 1, or 2 EV (ISO 204800 equivalent) above ISO 51200.

Audio output

Stereo mini-pin jack (3.5 mm diameter)

Camera VR

5-axis image sensor shift

Exposure lock

Luminosity locked at detected value