



Clifton Cameras Product Specification

Nikon Z30 Full Specifications

Type

Mirrorless

Lens mount

Nikon Z mount

Image sensor

DX, CMOS, 23.5 mm x 15.7 mm

Total pixels

21.51 million

Dust-reduction system

Image Dust Off reference data (NX Studio software required)

Effective pixels

20.9 million

Image size (pixels)

[DX (24x16)] selected for image area: (L)5568 x 3712 (20.7 million), (M)4176 x 2784 (11.6 million), (S)2784 x 1856 (5.2 million); [1:1 (16x16)] selected for image area: (L)3712 x 3712 (13.8 million), (M)2784 x 2784 (7.8 million), (S)1856 x 1856 (3.4 million); [16:9 (24x14)] selected for image area: (L)5568 x 3128 (17.4 million), (M)4176 x 2344 (9.8 million), (S)2784 x 1560 (4.3 million); Photographs taken while recording videos at a frame size of 3840 x 2160: 3840 x 2160; Photographs taken while recording videos at other frame sizes: 1920 x 1080

Storage file formats

NEF (RAW): 12 or 14 bit, JPEG: JPEG-Baseline compliant with fine (approx. 1:4), normal (approx. 1:8), or basic (approx. 1:16) compression, NEF (RAW)+JPEG: Single photograph recorded in both NEF (RAW) and JPEG formats

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

Storage media



SD, SDHC (UHS-I compliant), SDXC (UHS-I compliant)

Card slot

1 Secure Digital (SD) card

File system

DCF 2.0, Exif 2.31

Compatible lenses

Z mount NIKKOR lenses F mount NIKKOR lenses (mount adapter required; restrictions may apply)

Shutter type

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

Shutter speed

1/4000to, 30s, (step sizes of 1/3 EV), bulb, time

Flash sync speed

Synchronizes with shutter at X=1/200 s or slower; supported with auto FP high-speed sync

Release mode

S (single frame), CL (continuous low-speed), CH (continuous high-speed), Continuous H (extended), Self-timer

Frame advance rate¹

Up to 11 fps, Continuous L: Approx. 1 to 4 fps, Continuous H: Approx. 5 fps, Continuous H (extended): Approx. 11 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

Exposure metering

TTL metering using camera image sensor

Metering method

Matrix metering, Center-weighted metering: Weight of 75% given to 8 mm circle in center of frame; weighting can instead be based on average of entire frame, Spot metering: Meters 3.5 mm circle (about 2.5% of frame) centered on selected focus point, Highlight-weighted metering

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



-4 to +17 EV

Mode

Auto, P: programmed auto with flexible program, S: shutter-priority auto, A: aperture-priority auto, M: manual U1, U2 and U3: user settings modes

Exposure compensation

Range: -5 to +5 EV, Increment: 1/3 step

Exposure lock

Luminosity locked at detected value

ISO sensitivity

ISO 100 to 51200 in steps of 1/3 EV; can also be set to approx. 1 EV above ISO 51200 (ISO 102400 equivalent) or to approx. 2 EV above ISO 51200 (ISO 204800 equivalent); auto ISO sensitivity control available (Recommended Exposure Index)

Active D-Lighting

Auto, Extra high, High, Normal, Low, and Off

Multiple exposure

Add, average, lighten, darken

Other options

HDR (high dynamic range), photo mode flicker reduction

Autofocus

Hybrid phase-detection/contrast AF

Detection range

-4.5 to +19 EV2, Without low-light AF: -3 to +19 EV

Lens servo

Single-servo AF (AF-S), Continuous-servo AF (AF-C), AF mode auto-switch (AF-A; available only in photo mode), full-time AF (AF-F; available only in video mode), predictive focus tracking, Manual focus (M): Electronic rangefinder can be used

Focus points

209, Number of focus points available in photo mode with single-point AF selected for AF-area mode and DX selected for image area



AF-area mode

Pinpoint AF (photo mode only), single-point AF, dynamic-area AF (photo mode only), wide-area AF (S), wide-area AF (L), wide-area AF (L-people), wide-area AF (L-animals), auto-area AF, auto-area AF (people), auto-area AF (animals)

Focus lock

Press the AE-L/AF-L button or press shutter-release button halfway (single-servo AF/AF-S)

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

Flash modes

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

Flash compensation

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

Flash-ready indicator

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

Accessory shoe

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

Nikon Creative Lighting System

i-TTL flash control, optical Advanced Wireless Lighting, FV lock, Color Information Communication, auto FP high-speed sync

White balance

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

Bracketing types

Exposure and/or flash, white balance, ADL

Movie - metering

TTL exposure metering using main image sensor, TTL metering using camera image sensor

Movie - metering

Matrix, center-weighted, or highlight-weighted



Movie - frame size (pixels) and frame rate^{3 4}

3840 x 2160 (4K UHD): 30p (progressive)/25p/24p, 1920 x 1080: 120p/100p/60p/50p/30p/25p/24p, 1920 x 1080 slow-motion: 30p (x4)/25p (x4)/24p (x5)

Movie - file format

MOV, MP4

Movie - video compression

H.264/MPEG-4 Advanced Video Coding

Movie - audio recording format

Linear PCM (for videos recorded in MOV format), AAC (for videos recorded in MP4 format)

Movie - audio recording device

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

Movie - exposure compensation

Range: -3 to +3 EV, Increment: 1/3 step

Movie - ISO sensitivity

M: Manual selection (ISO 100 to 25600; step size of 1/3 EV); auto ISO sensitivity control (ISO 100 to 25600) available with selectable upper limit P, S, A: Auto ISO sensitivity control (ISO 100 to 25600) with selectable upper limit, Auto: Auto ISO sensitivity control (ISO 100 to 25600) (Recommended Exposure Index)

Movie - Active D-Lighting

Same as photo settings, Extra high, High, Normal, Low, and Off

Movie - Other options

Time-lapse video recording, electronic vibration reduction, time codes, with REC lamp

Monitor

7.5-cm (3.0-in.) diagonal, vari-angle TFT touch-sensitive LCD with 170° viewing angle, approximately 100% frame coverage, and color balance and 11-level manual brightness controls, Approx. 1040k-dot

Playback

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

USB



Type C USB connector (SuperSpeed USB); connection to built-in USB port is recommended

HDMI output

Type D HDMI connector

Audio input

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

Wi-Fi (Wireless LAN) standards

IEEE 802.11b/g/n

Wi-Fi (Wireless LAN) operating frequency

2412 to 2462 MHz (channel 11)

Wi-Fi (Wireless LAN) maximum output power

2.4 GHz band: 4.5 dBm

Wi-Fi (Wireless LAN) security

Open system, WPA2-PSK

Bluetooth standards

Bluetooth Specification Version 4.2, Bluetooth: 2402 to 2480 MHz, Bluetooth Low Energy: 2402 to 2480 MHz, Bluetooth: -1.0 dBm, Bluetooth Low Energy: -2.5 dBm

Battery

One EN-EL25 rechargeable Li-ion battery

AC adapter

EH-7P charging AC adapter (available separately)

Tripod socket

0.635 cm (1/4 in., ISO 1222)

Dimensions (W x H x D)

Approx. 128 x 73.5 x 59.5 mm (5.1 x 2.9 x 2.4 in.)

Weight

Approx. 405 g (14.3 oz.), with battery and memory card but without body cap; approx. 350 g/12.4 oz. (camera body only)



Operating environment - temperature

0 °C to 40 °C (+32 °F to 104 °F)

Operating environment - humidity

85% or less (no condensation)

Supplied accessories

BF-N1 Body Cap, EN-EL25 Rechargeable Li-ion Battery, AN-DC25 Strap, UC-E24 USB Cable

¹ Maximum frame advance rate as measured by in-house tests.

² Measured in photo mode at ISO 100 and a temperature of 20 °C/68 °F using single-servo AF (AF-S) and a lens with a maximum aperture of f/1.8.

³ 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.

⁴ Quality selection (normal/high) available at all sizes except 3840 x 2160, 1920 x 1080 120p/100p, and 1920 x 1080 slow-motion, when quality is fixed at high.

⁵ In Full HD/24p/25p at 25°C/77°F. The camera's ability to always achieve the full 125 minutes is dependent on conditions like battery life or the camera's internal temperature. Approx. 35 minutes of recording time is available in 4K UHD.

Unless otherwise stated, all measurements are performed in conformity with Camera and Imaging Products Association (CIPA) standards or guidelines.

All figures are for a camera with a fully-charged battery.

The sample images displayed on the camera and the images and illustrations in this document are for expository purposes only.

Nikon reserves the right to change the appearance and specifications of the hardware and software described in this document at any time and without prior notice. Nikon will not be held liable for damages that may result from any mistakes that this document may contain.

Material code

NIKON Z 30 - VOA110AE

Z 30 + 16-50 VR Kit - VOA110K001

Z 30 + 16-50 + 50-250 VR Kit - VOA110K002

Z 30 Vlogger Kit - VOA110K004