

# ech Specs

## Cinema Tech Specs

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### Camera Type

Digital camera with support for interchangeable lenses

### Sensor Type

24.5 MP Full-Frame CMOS

### Sensor Size

35.9mm x 23.9mm

### Dynamic Range

15+ Stops

### Mount Type

Z Mount

### Lens Compatibility

Accepts FTZII Mount Adapter with F-mount lenses. Capable of supporting third-party lenses, however when using non-Nikon adapters with third-party lenses, some functions may not be supported.

### Battery Type

EN-EL15c, Compatible with external V Mount batteries via USB-C

### Weight

1.19 lbs (Without battery and cards)

### Dimensions (LxWxD)

133mm × 80.5mm × 48.7mm

### Max Recording Time

125 minutes

### Media Primary

CFexpress Type-B

### Media Secondary

Micro SD (UHS-I)

### Monitor Size

4

### Monitor Color

DCI-P3

### Monitor Type

Vari-angle LCD

### Monitor Brightness

1000 cd/m<sup>2</sup>

## **I/O Power Data**

Type-C USB (USB 3.2)

## **I/O External Monitoring**

Type-D HDMI

## **I/O Audio Capture**

Line Input / Digital Hot Shoe

## **I/O Audio Monitoring**

3.5mm Headphone Jack

## **I/O Digital Accessory Shoe**

hot-shoe with sync and data contacts

## **I/O Tripod Socket**

1/4 inch

## **Codecs**

REDCODE RAW (R3D NE) / 12-bit

NIKON N-RAW / 12-bit

PRORES RAW HQ

PRORES 422 HQ

H.265 / 10-bit / 8-bit

H.264 / 8-bit

## **Audio Recording**

32-bit float

24-bit

5 Audio Pickup Patterns via Nokia OZO Audio, (Available in H.265, H.264)

## **Log Profiles**

RED Log3G10 (R3D NE)

Nikon N-Log (N-RAW, PRORES RAW, PRORES 422, H.265)

## **ISO Sensitivity**

Dual Base ISO - RED Log3G10: 800 / 6400 (Dual Native ISO)

Dual Base ISO - Nikon N-Log: 800 / 6400 (Dual Native ISO)

## **Color Management**

Load up to 10 LUTs. Supports 17-point, 33-point, 65-point LUTs. Compatible with 24, 25, 30, 60p Frame Rates.

## **Picture Controls**

Cloud Picture Controls by RED: CineBias, CineBias-T Cool Atmosphere, CineBias-C Crisp Teal Contrast, CineBias-CC Noir Vibes, CineBias-WC Grit & Glow, CineBias-TC Green Edge Experimental, CineBiasOffset, CineBias Achromic, CineBias BleachBypass.

## **Autofocus**

9 Autofocus Subject Detection Modes (People (eyes, face, head, upper body), Birds, Dogs, Cats, Cars, Motorcycles, Bicycles, Trains and Airplanes). Programable Autofocus Speed, Sensitivity and Position Recall

## **In-Body image stabilization**

Nikon Vibration Reduction with 7.5 Stops

## **Features**

Time-lapse video recording, electronic Vibration Reduction, time codes, REC lamp, N-Log and HDR (HLG) video, waveform display, red REC frame indicator, video recording display zoom (50%, 100%, 200%, and 400%), extended shutter speeds (modes S and M), and dual-format (proxy video) recording for RAW video; option to view video recording info available via i menu; breathing compensation, Hi-Res Zoom

## **Camera To Cloud**

Compatible with Adobe Frame.io via Nikon NX MobileAir app.

# Photographic Tech Specs

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## Megapixels

24.5

## Exposure Modes

Auto Programmed auto with flexible program (P) Shutter-priority auto (S) Aperture-priority auto (A) Manual (M)

## User Modes

U1, U2, U3, and U4 (user setting mode)

## File Formats

NEF (RAW): JPEG: HEIF: Supports RAW + Secondary Format Capture

## Shutter Speed Range

Electronic shutter range: 1/16000 sec to 900 sec

## Release Mode

Single frame, continuous low-speed, continuous highspeed, continuous high-speed (extended), high-speed frame capture + with Pre-Release Capture, self-timer

## Approximate Frame Advance Rate\*

Continuous low-speed: Approx. 1 – 7 fps

Continuous high-speed: Approx. 16 fps

Continuous high-speed (extended): Approx. 20 fps

High-speed frame capture + (C15): Approx. 15 fps

High-speed frame capture + (C30): Approx. 30 fps

High-speed frame capture + (C60): Approx. 60 fps

High-speed frame capture + (C120): Approx. 120 fps

\* Maximum frame advance rate as measured by inhouse tests.

## ISO Range

ISO 100 to 64000

## White Balance

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

## Picture Controls

Flexible Picture Control, Rich Tone Portrait, Deep Tone Monochrome, Flat Monochrome, Storage for custom Picture Controls, Selected Picture Control can be modified, Vivid, Standard, Portrait, Neutral, Monochrome, 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), Auto, Storage for Cloud Picture Controls.

## Timelapse Mode

Yes

## Wi-Fi

Yes

## Bluetooth

Yes

## Connectivity

Nikon SnapBridge App.

## Camera to Cloud

Nikon Imaging Cloud