

BORN
CINEMATIC



DIGITAL CINEMA CAMERA

Z R

Z CINEMA
Nikon | RED



Z CINEMA

Nikon | RED



Z CINEMA is the synergy of Nikon and RED — a powerful collaboration created to give everyone from filmmakers to creators the tools they've always dreamed of.

By uniting RED's legendary digital cinema technology with Nikon's unrivalled optical and imaging expertise cultivated over 100 years, Z CINEMA introduces a new generation of advanced imaging solutions for cinema, high-end production, and professional content creation.

From professional cinematographers to indie filmmakers, today's visual storytellers demand gear that's versatile, powerful, and reliable.

We're breaking down barriers, delivering cutting-edge cinema technology in robust, flexible systems — bringing innovation and imagination together, and making high-end filmmaking more accessible than ever.





Your stories deserve to shine.

Imagine shooting cinematic footage anywhere — no big crew, no compromises.

Now you can, with the ZR: Nikon's groundbreaking full-frame camera built for filmmakers and creators ready to take their craft to the next level.

Co-engineered with RED, the new R3D NE RAW format lets you capture stunning 6K footage with RED's renowned colour science — ready to grade, crop, and shape into whatever your story demands.

With on-screen LUT previews, advanced exposure tools, and the world's first built-in 32-bit float audio, the ZR brings both image and sound to the highest standard.

Unbeatable versatility. Big-screen results.

All in a smarter, more compact package that brings your cinematic vision to life.

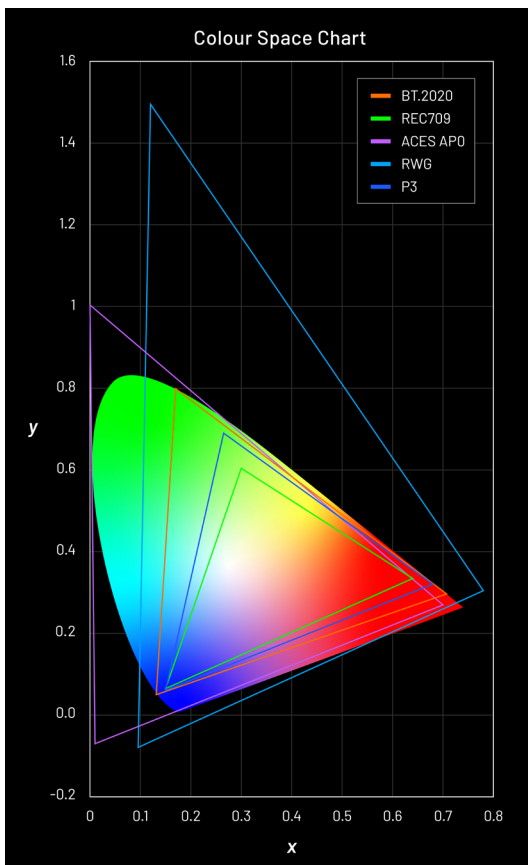
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Pro-level RED RAW and colour science, seamlessly integrated

Experience the renowned look of RED colour science in a compact cinema system.

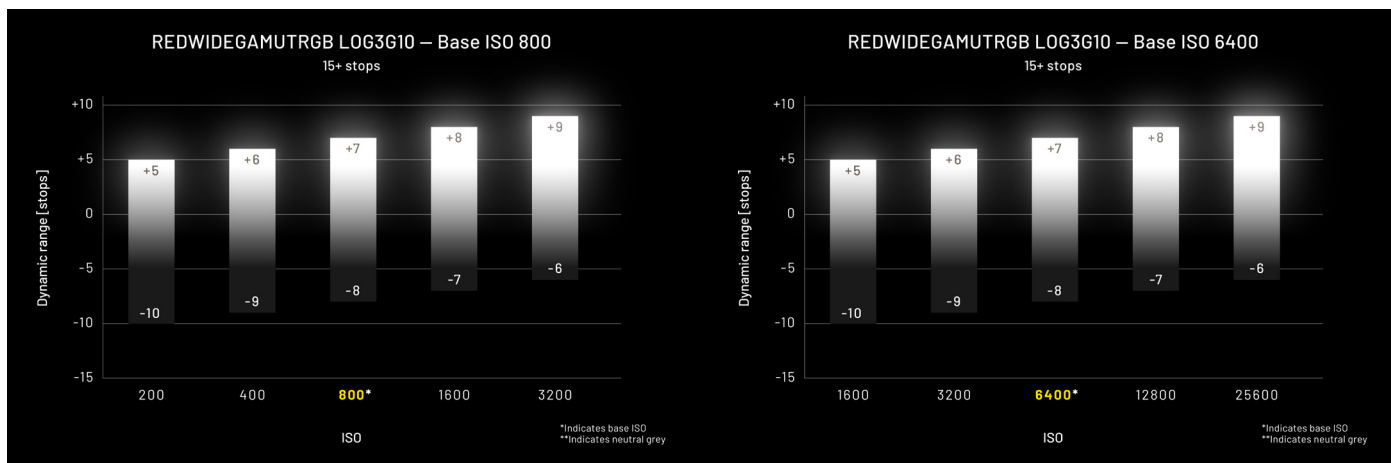
With internal 12-bit R3D NE recording at up to 6K/59.94p or 4K/119.88p, you gain full control over ISO, exposure, and colour in post. Delivering over 15 stops of dynamic range and true RED tonality, skin tone integrity, and smooth tonal roll-off, the NR ensures seamless grading compatibility — even in multi-camera shoots alongside RED cinema systems.



Using Log3G10 and REDWideGamutRGB, the same professional-grade log curve and colour space found in RED's top cinema cameras, the Nikon ZR captures rich, lifelike colours and dynamic tones straight out of the camera — saving hours in post-production. Enjoy lightweight footage with impressive freedom to grade that's ready for any workflow.

Adapt to any lighting

From intense studio setups to late-night shoots, the Nikon ZR gives you the flexibility to work in any environment. Its dual-base ISO (800/6400) delivers clean, noise-free footage in both bright and low-light conditions, letting you stay focused on your creative vision while maintaining consistent, professional results.



Versatile formats for every production

The Nikon ZR records 6K/59.94p and 4K/119.88p 12-bit video internally, with a range of codecs to fit any workflow. Alongside R3D NE and ProRes RAW HQ, Nikon's efficient N-RAW offers lightweight editing and rapid proxy generation. For even greater flexibility, the ZR also supports ProRes 422 HQ and H.265 — giving you the ideal balance of quality and efficiency for everything from indie films to social content.

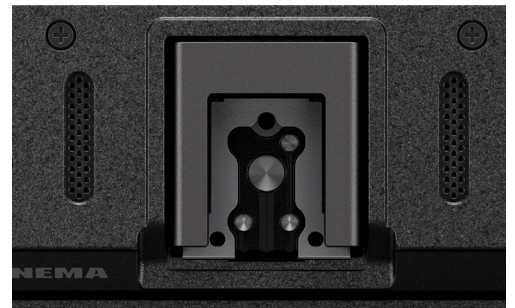


In-camera viewing LUTs and creative control over your look

The Nikon ZR simplifies on-set workflows with on-screen LUT previews, giving you accurate visual feedback while recording — no external monitors required. Its dedicated Cinematic Video Mode, developed with RED, delivers a rich, filmic look straight out of the camera, ideal for productions with limited post resources or tight turnaround times.



Nine RED-curated Imaging Recipes, available via Nikon Imaging Cloud, provide finely tuned cinematic profiles, letting you set the perfect tone for each scene — from subtle realism to bold, stylised looks — all at the point of capture.



Pro-grade audio, built in — a world's first^{*1}

The Nikon ZR delivers professional sound without extra gear. Its internal 32-bit float recording captures everything from quiet dialogue to sudden peaks without distortion or clipping — no manual gain adjustment required. Thanks to Nokia's OZO Audio^{*} technology, the built-in mics offer adjustable pickup patterns, from front-facing to wide stereo, replicating the flexibility of external systems.

For even greater control, the ME-D10 shotgun microphone connects directly via the digital accessory shoe, no cables or batteries needed, keeping rigs simple and focused on capturing clear, natural voice recordings.

^{*1} 32-bit float recording with in-camera mic, as of Sep 10, 2025 Nikon Research.

^{*2} Not supported for N-RAW, ProRes RAW/422 HQ, high frame rates such as H.265 120p, or via HDMI output.



A clear view anywhere

The Nikon ZR's 4.0-inch, high-resolution (3.07 million dots), TFT LCD delivers precise visual feedback in any environment, with full DCI-P3 colour coverage and up to 1000 nits of brightness for visibility even in harsh daylight. Its 16:10 aspect ratio keeps critical shooting data outside the 16:9 frame, so your live image stays clean and focused. Waveform monitors, zebra patterning, and focus peaking are all built in for fast, accurate on-set control.

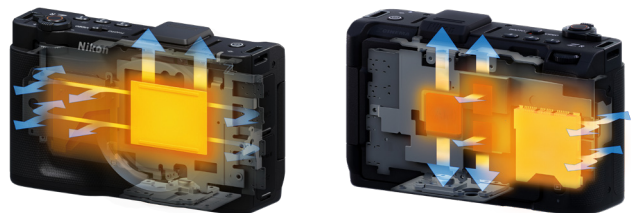


Built for endurance and the long haul

The Nikon ZR uses a passive cooling design with its magnesium alloy body to dissipate heat, enabling over two hours* of continuous recording without the noise of internal fans. This thermal optimisation supports long-form productions and uninterrupted takes, while also preventing interference with onboard audio.

Engineered to the same rugged standards as Nikon's Z8 and Z6III, the ZR is dust- and drip-resistant, with sealed buttons, seams, and ports. Durable and reliable, it's built to perform in demanding professional environments — wherever your story takes you.

*Compliant with CIPA standards. Verified from initial default settings. When shooting with [video file type] set to [H.265 8-bit (MOV)], using Nikon CFexpress Type B memory card 660GB MC-CF660G, and at an ambient temperature of 23 (+-2)°C. Lens used: NIKKOR Z 24-70mm f/4 S.



AI-powered autofocus for any scene

The Nikon ZR's deep learning AI autofocus locks onto nine subject types — from people and pets to vehicles and aircraft — automatically switching as the action unfolds. Designed for unpredictable shoots like documentaries, street work, or live events, it delivers smooth, stable tracking and clean focus pulls. Whether capturing an interview, following a sprinting athlete, or tracking a high-speed car sequence, the ZR keeps your subject sharp and the story in focus.



Z Mount: maximum versatility with endless lens options

The Nikon ZR features the world's largest* full-frame mirrorless mount, designed to deliver maximum light transmission and support advanced lens designs. With access to the extensive NIKKOR Z range, you can achieve everything from striking landscapes to cinematic close-ups, with exceptional sharpness and beautiful bokeh.

Beyond native NIKKOR Z lenses, the ZR's short 16mm flange distance makes it compatible through adapters with a wide variety of third-party and specialty lenses — from vintage cinema glass to tilt-shift and manual-focus primes — giving filmmakers and content creators the freedom to create with the lenses they know and love.

*Among full-frame mirrorless cameras



Stream smarter with ATEM Mini

The Nikon ZR works seamlessly with Blackmagic ATEM Mini switchers for smooth, multi-camera live production. With direct HDMI output, synced camera angles, and consistent image tone, you can stream in high quality without spending hours in post matching up footage — letting you focus on your audience, not your gear.



Expand your creative toolkit

The Nikon ZR works seamlessly with a growing range of accessories from partnered brands, streamlining workflows and boosting creative flexibility. From modular rigging and extended power options to precise monitoring, pro-level audio, wireless streaming, gimbals, and Bluetooth timecode sync, these tools help you adapt to any production.



Frame.io integration

Send video files from your ZR to the cloud and transform the way you work, from your very first shot to the final cut. Use the free Nikon NX MobileAir* app for iOS and Android to connect your ZR to Frame.io and easily configure automatic uploading.

*Available only in selected countries.

Specifications

Codec	Color depth	Resolution	Frame rate
R3D NE (No image quality options)/ N-RAW (High image quality)	12bit	[FX] 6048×3402 RAW overall pixels 6060×3410	59.94fps
			50fps
			29.97fps
			25fps
			23.97fps
		[FX] 4032×2268 RAW overall pixels 4040×2276	59.94fps
			50fps
			29.97fps
			25fps
			23.97fps
		[DX] 3984×2240 RAW overall pixels 3996×2248	119.88fps
			100fps
			59.94fps
			50fps
			29.97fps
			25fps
			23.97fps
			23.97fps
N-RAW (Normal image quality)	12bit	[FX] 6048×3402 RAW overall pixels 6060×3410	59.94fps
			50fps
			29.97fps
			25fps
			23.97fps
		[FX] 4032×2268 RAW overall pixels 4040×2276	59.94fps
			50fps
			29.97fps
			25fps
			23.97fps
		[DX] 3984×2240 RAW overall pixels 3996×2248	119.88fps
			100fps
			59.94fps
			50fps
			29.97fps
			25fps
			23.97fps
			23.97fps
ProRes RAW HQ	12bit	[FX] 6048×3402 RAW overall pixels 6060×3410	29.97fps
			25fps
			23.97fps
		[FX] 4032×2268 RAW overall pixels 4040×2276	59.94fps
			50fps
			29.97fps
			25fps
			23.97fps
		[DX] 3984×2240 RAW overall pixels 3996×2248	59.94fps
			50fps
			29.97fps
			25fps
			23.97fps
ProRes 422 HQ	10-bit	5376×3024	29.97fps
			25fps
			23.97fps
		3840×2160	59.94fps
			50fps
			29.97fps
			25fps
			23.97fps
		1920×1080	119.88fps
			100fps
			59.94fps
			50fps
			50fps

Camera type	Digital camera with support for interchangeable lenses
Mount type	Z Mount
Sensor type	24.5 MP Full-Frame CMOS
Sensor size	35.9mm x 23.9mm
ISO sensitivity	ISO 100 to 51200(choose from step sizes of 1/3 and 1 EV) When the movie recording file type is set to R3D NE 12-bit (R3D), either low base ISO (ISO 800) or high base ISO (ISO 6400) can be selected.
Gamma curve	Log3G10, N-Log, SDR, HLG
Dynamic range	15+ stops (Log3G10)
Codecs	R3D NE (12-bit) N-RAW (12-bit) Apple ProRes RAW HQ (12-bit) Apple ProRes 422 HQ (10-bit) H.265/HEVC (10-bit, 8-bit) H.264/AVC (8-bit)
Audio recording	Linear PCM (48 KHz, 32-bit float or 24-bit, for videos recorded in R3D, NEV, or MOV format) AAC (48 KHz, 16-bit, for videos recorded in MP4 format) 5 directional audio pickup patterns via Nokia OZO Audio, (Available in H.265, H.264)
Monitor size	4.0 –in.
Monitor resolution	Approx. 3070 k-dot
Monitor type	Vari-angle TFT touchsensitive LCD
Monitor brightness	1000 cd/m2
Media	CFexpress (Type B) , XQD microSD (Secure Digital), UHS-I compliant microSDHC, microSDXC
Battery type	EN-EL15c, Compatible with external V Mount batteries via USB-C
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.
Dimensions (LxWxD)	134 × 80.5 × 49 mm
Weight	540 g (camera body only)





WARNING

TO ENSURE CORRECT USAGE, READ MANUALS CAREFULLY BEFORE USING YOUR EQUIPMENT.
SOME DOCUMENTS CAN BE DOWNLOADED FROM downloadcenter.nikonimglib.com.

Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. September 2025 © 2025 Nikon Corporation



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