



# LIMITED-EDITION RHINO **V-RAPTOR™ 8K S35**

THE MOST ADVANCED RED EVER, NOW WITH COVERAGE FOR S35 LENSES AT 8K



## WHY S35

The Super35mm format is still ideal for many markets over Large Format. While traditional motion picture productions may prefer the aesthetic of the "Large Format Look," for many applications large format may not be as practical.

### WILDLIFE

Wildlife Filmmakers are often hundreds of feet from their subjects and in remote or barely accessible locations. This requires a compact kit and ability to shoot in Super35mm format, allowing for wide range zoom lenses, like the Canon 50-1000mm, with the size and weight to remain flexible for any scenario or environment. The V-RAPTOR 8K S35 unlocks all of this, along with capturing archival-quality 8K resolution inside of the compact and powerful V-RAPTOR camera body, so filmmakers can capture breathtaking images anywhere on the globe.

### BROADCASTING

Live event broadcasting continues its trend of blending cinematic imagery into its final delivery. Whether these productions are looking to highlight shallower depth of field, slow motion playback, or higher resolution, the V-RAPTOR 8K S35 provides all of the power of RED's cinematic image quality in a format that supports the wide range of lenses required for live event coverage. Live 8K workflows using RED Connect unleashes the power of 8K in these environments, allowing for different framing to be pulled from a single camera position and controlled downstream for a more immersive production.

### CINEMA

Lenses are as critical of a decision for a cinematographer as the camera itself. When the lenses that are needed to tell the story do not cover large format, filmmakers have the choice of either using V-RAPTOR 8K VV at 6K Super35mm, or now V-RAPTOR 8K S35 for when the full 8K resolution is needed. By capturing the full 35 megapixels of 8K compared to the 20 megapixels of 6K, filmmakers maintain the full flexibility of 8K image capture while in the Super35mm format.

*RED will donate a portion of Limited Edition RHINO sales to the following organizations, which were selected in partnership with the Wildlife Society of Filmmakers:*

**WILDScreen | JACKSON WILD | BBC NATURAL HISTORY UNIT'S GLOBAL TALENT INITIATIVE | WILDSTAR ACADEMY**

**RED**<sup>®</sup>  
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# V-RAPTOR™ 8K S35

SENSOR SPECS	
SENSOR	V-RAPTOR™ 8K S35 35.4 Megapixel CMOS
EFFECTIVE PIXELS	8192 (h) x 4320 (v)
SENSOR SIZE	26.21 mm x 13.82 mm (Diagonal: 29.63 mm)
DYNAMIC RANGE	16.5+ stops
LENS MOUNT	
MOUNT TYPE	Integrated RF mount with RF lens support Supports Canon EF lenses via compatible Canon RF to EF mount adapters Accepts other Canon RF mount-based lens adaptors for diverse lens choices
RECORDING	
MAX DATA RATES	Up to 800 MB/s using RED branded or other qualified CFexpress media cards <sup>1</sup>
REDCODE® RAW MAX FRAME RATES	120 fps at 8K 17:9 (8192 x 4320), 150 fps at 8K 2.4:1 (8192 x 3456) 140 fps at 7K 17:9 (7168 x 3780), 175 fps at 7K 2.4:1 (7168 x 3024) 160 fps at 6K 17:9 (6144 x 3240), 200 fps at 6K 2.4:1 (6144 x 2592) 192 fps at 5K 17:9 (5120 x 2700), 240 fps at 5K 2.4:1 (5120 x 2160) 240 fps at 4K 17:9 (4096 x 2160), 300 fps at 4K 2.4:1 (4096 x 1728) 320 fps at 3K 17:9 (3072 x 1620), 400 fps at 3K 2.4:1 (3072 x 1296) 480 fps at 2K 17:9 (2048 x 1080), 600 fps at 2K 2.4:1 (2048 x 864)
PLAYBACK FRAME RATES (PROJECT TIME BASE)	23.98, 24, 25, 29.97, 30, 50, 59.94, 60 fps, all resolutions
BEST AVAILABLE REDCODE® SETTINGS	REDCODE HQ, MQ and LQ at 8K 17:9 (8192 x 4320) up to 60 fps REDCODE LQ at 8K 17:9 (8192 x 4320) up to 120 fps REDCODE HQ, MQ and LQ at 6K 17:9 (6144 x 3240) up to 96 fps REDCODE MQ and LQ at 6K 17:9 (6144 x 3240) up to 160 fps REDCODE HQ, MQ and LQ at 4K 17:9 (4096 x 2160) up to 240 fps REDCODE HQ, MQ and LQ at 2K 17:9 (2048 x 1080) up to 480 fps
REDCODE® RAW ACQUISITION FORMATS	8K 17:9 (8192 x 4320), 2:1, 2.4:1, 16:9, 1:1 and Anamorphic 2x, 1.8x, 1.6x, 1.5x, 1.3x, 1.25x 7K 17:9 (7168 x 3780), 2:1, 2.4:1, 16:9, 1:1 and Anamorphic 2x, 1.8x, 1.6x 6K 17:9 (6144 x 3240), 2:1, 2.4:1, 16:9, 1:1 and Anamorphic 1.5x, 1.3x, 1.25x 5K 17:9 (5120 x 2700), 2:1, 2.4:1, 16:9, 1:1 4K 17:9 (4096 x 2160), 2:1, 2.4:1, 16:9, 1:1 3K 17:9 (3072 x 1620), 2:1, 2.4:1, 16:9, 1:1 2K 17:9 (2048 x 1080), 2:1, 2.4:1, 16:9, 1:1
GENERAL	
CONSTRUCTION	Aluminum Alloy
WEIGHT	4.03 lbs (without body cap and CFexpress card)
BATTERY TYPE	Integrated V-Lock battery interface optimized for Micro V-Lock Batteries <sup>1</sup>
DC POWER INPUT	11-17V via 6-pin DC-IN
OPERATING TEMPERATURE	0°C to 40°C (32°F to 104°F)
STORAGE TEMPERATURE	-20°C to 50°C (-4°F to 122°F)
STORAGE RELATIVE HUMIDITY	0% to 85% non-condensing
FEATURES	
COLOR MANAGEMENT	Image Processing Pipeline (IPP2) Supports 33x33x33 3D LUTs Supports import of CDLs
AUDIO	Integrated dual channel digital mono microphones, uncompressed, 24-bit 48 kHz Integrated dual channel mic/line/+48V input via 5-pin Audio Port, uncompressed, 24-bit 48 kHz
REMOTE CONTROL	Wi-Fi for camera control via interchangeable dual band (2.4 GHz/5 GHz) antenna mounted to a female RP-SMA connector GenLock, Timecode-in, GPIO and Ctrl (RS-232) via the integrated 9-pin EXT Port Wired control via USB-C or Gigabit Ethernet (compatible USB-C to Ethernet adapter <sup>1</sup> required) allowing remote camera control, live MJPEG preview video feed and remote media offload
MONITOR OUTPUTS	Integrated dual 12G-SDI with 6G-SDI, 3G-SDI and 1.5G-SDI modes 12G-SDI: Up to 4096 x 2160 4:2:2 for 60p 6G-SDI: Up to 4096 x 2160 4:2:2 for 30p, 25p, 24p 3G-SDI: Up to 2048 x 1080 4:2:2 for 60p 1.5G-SDI: Up to 2048 x 1080 4:2:2 for 30p, 25p, 24p SMPTE Timecode, HANC Metadata, 24-bit 48 kHz Audio
MONITOR OPTIONS	DSMC3 RED® Touch 7.0" LCD Wireless 1080p live preview video feed via 2.4GHz/5GHz Wi-Fi for framing Integrated 2.4" LCD for camera control (no preview video)
SOFTWARE	
RED CONTROL	Access full camera controls and live preview from iOS or Android devices. Available from the Apple App Store and Google Play Store. RED Control works wirelessly or wired via USB-C

Tech specs reflect both current and projected information. Everything is subject to change.

1. For more information on compatible accessories, go to [RED.com/third-party-accessories](https://RED.com/third-party-accessories)

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