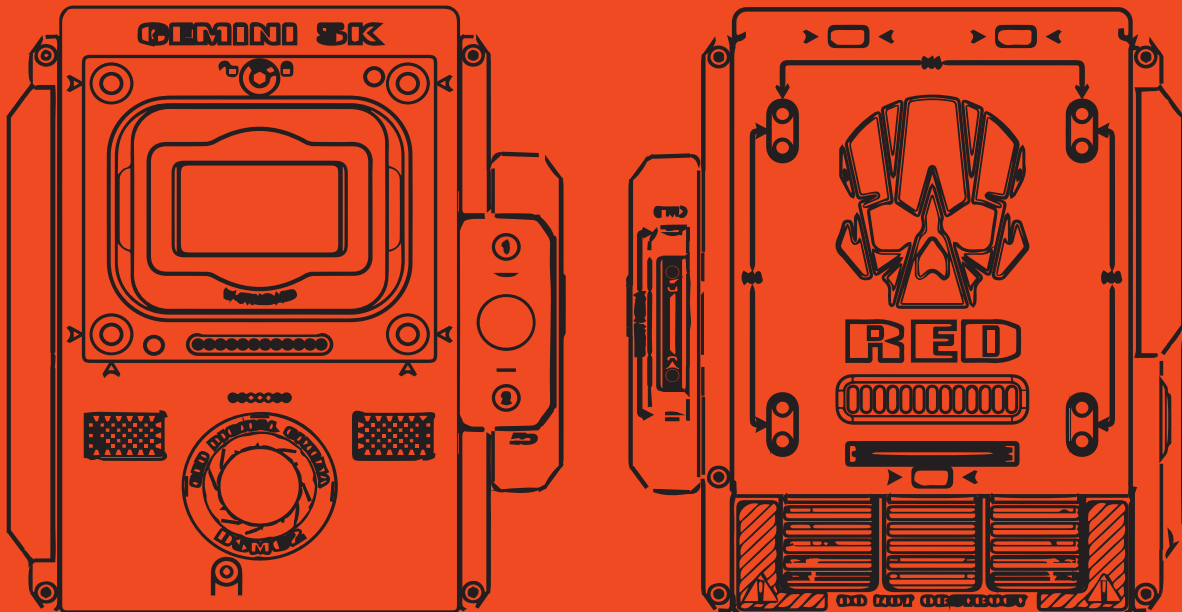


The RED Gemini 5K S35

Sensor Type	GEMINI 15.4 Megapixel Dual Sensitivity CMOS
Effective Pixels	5120 × 3000
Sensor Size	30.72 mm x 18.0 mm (Diagonal: 35.61 mm)
Dynamic Range	16.5+ stops
Max Frame Rates	75 fps at 5K Full Height 1.7:1 (5120 x 3000) 96 fps at 5K Full Format (5120 x 2700), 120 fps at 5K 2.4:1 (5120 x 2160) 120 fps at 4K Full Format (4096 x 2160), 150 fps at 4K 2.4:1 (4096 x 1728) 150 fps at 3K Full Format (3072 x 1620), 200 fps at 3K 2.4:1 (3072 x 1296) 240 fps at 2K Full Format (2048 x 1080), 300 fps at 2K 2.4:1 (2048 x 864)
Max Data Rates	Up to 300 MB/s using RED MINI-MAG® (480GB, 512GB, 960GB & 1TB) Up to 225 MB/s using RED MINI-MAG (120GB & 240GB)
Playback Frame Rates (Project Timebase)	23.98, 24, 25, 29.97, 30, 47.95, 48, 50, 59.94, 60 fps, all resolutions
Redcode Settings Range From 2:1 up to 22:1 ¹	3:1 REDCODE at 5K Full Height (5120 x 3000) and 24 fps 6:1 REDCODE at 5K Full Height (5120 x 3000) and 60 fps 2:1 REDCODE at 5K Full Format (5120 x 2700) and 24 fps 8:1 REDCODE at 5K Full Format (5120 x 2700) and 96 fps 2:1 REDCODE at 4K Full Format (4096 x 2160) and 24 fps 6:1 REDCODE at 4K Full Format (4096 x 2160) and 120 fps
Redcode Raw Acquisition Formats ²	5K Full Height 1.7:1 (5120 × 3000), 5K Full Height 6:5 (3600 × 3000), and Ana 2x, 1.3x 5K Full Format (5120 × 2700), 2:1, 2.4:1, 16:9, 4:1, 8:1, and Ana 2x, 1.3x 4K Full Format (4096 × 2160), 2:1, 2.4:1, 16:9, 3:2, 4:3, 5:4, 6:5, 4:1, 8:1, and Ana 2x, 1.3x 3K Full Format (3072 × 1620), 2:1, 2.4:1, 16:9, 3:2, 4:3, 5:4, 6:5, 4:1, 8:1, and Ana 2x, 1.3x 2K Full Format (2048 × 1080), 2:1, 2.4:1, 16:9, 3:2, 4:3, 5:4, 6:5, 4:1, 8:1, and Ana 2x, 1.3x
Apple Prores	ProRes 422 HQ, ProRes 422 and ProRes 422 LT at 4K (4096 × 2160) up to 30 fps ProRes 4444 XQ and ProRes 4444 at 2K (2048 × 1080) up to 120 fps ProRes 422 HQ, ProRes 422 and ProRes 422 LT at 2K (2048 × 1080) up to 120 fps
Avid Codecs ³	DNxHR HQX at 4K (4096 × 2160) 12-bit up to 30 fps DNxHR HQ, SQ and LB at 4K (4096 × 2160) 8-bit up to 30 fps DNxHR 444 at 2K (2048 × 1080) 12-bit up to 120 fps DNxHD 444 and HQX (1920 × 1080) 10-bit up to 120 fps DNxHD HQ and SQ (1920 × 1080) 8-bit up to 120 fps
Construction	Aluminum Alloy
Weight	3.35 lbs (BRAIN with Integrated Media Bay)
DC in Power Input	11.5 V DC to 17 V DC (requires an expander with 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)
Relative Humidity	0% to 85% non-condensing

Color Management	<ul style="list-style-type: none"> Supports 33×33×33, 32×32×32, 26×26×26, and 17×17×17 3D LUTs Variable number of 3D LUT outputs with DSMC2 expander module User programmable shaper 1D LUTs Tetrahedral interpolation, 16-bit processing
Audio	<ul style="list-style-type: none"> Integrated dual channel digital stereo microphones, uncompressed, 24-bit 48 kHz Optional 2 additional channels with DSMC2 expander module, uncompressed, 24-bit 48 kHz
Remote Control	<ul style="list-style-type: none"> Integrated R.C.P. WiFi antenna Ethernet, RS232, and GPI Trigger with DSMC2 expander module
Monitor Outputs	<ul style="list-style-type: none"> 3G-SDI (HD-SDI) and HDMI with DSMC2 expander module 1080p RGB or 4:2:2, 720p RGB or 4:2:2 480p RGB or 4:2:2 (HDMI only) SMPTE Timecode, HANC Metadata, 24-bit 48 kHz Audio
Monitor Options	<ul style="list-style-type: none"> DSMC2 RED Touch 4.7" LCD, DSMC2 RED Touch 7.0" LCD and DSMC2 RED EVF (OLED) with cable-free connection. RED Touch 9.0" LCD, RED Touch 7.0" LCD, RED Touch 5.0" LCD, RED PRO 7" LCD, BOMB EVF (OLED) and BOMB EVF (LCOS) compatible with DSMC2 LCD/EVF Adaptor A and LCD/EVF cable.
Redcine-X Pro Delivery Formats	<ul style="list-style-type: none"> 4K: DPX, TIFF, OpenEXR (.RED via REncode plugin) 2K: DPX, TIFF, OpenEXR (.RED via REncode plugin) 1080p RGB 4:2:2, 720p 4:2:2 : QuickTime, JPEG, AVID AAF, MXF 1080p 4:2:0, 720p 4:2:0 : H.264, .MP4
Video Editing Software Compatability 4	<ul style="list-style-type: none"> Adobe Premiere Pro, AVID Media Composer, DaVinci Resolve, Edius Pro, Final Cut Pro, Vegas Pro



1. REDCODE values and max frame rates may vary based on selected acquisition format, aspect ratio, project time base, Lookaround setting, and SSD. For more information on available REDCODE compression settings for all formats, see the DSMC Media Operation Guide.
2. For more information on available acquisition formats, see the DSMC Operation Guides.
3. Avid DNxHD/HR Codecs recording support added to DSMC2 firmware v6.3 or later.
4. Third-party non-linear editing (NLE) applications may have limited compatibility with R3D files.

Specifications are provided for the informational use of our clients and are taken from sources deemed to be reliable, but not guaranteed. Exact specifications may vary due to issues such as firmware or version. Please check with the team at Triode regarding any mission critical specifications before renting any equipment. <https://triode.tv/contact/> or call 717-455-3940.