

RED RANGER WITH GEMINU 5K S35

SENSOR TYPE	GEMINI® 15.4 Megapixel Dual Sensitivity CMOS
EFFECTIVE PIXELS	5120 x 3000
SENSOR SIZE	30.72 mm x 18.00 mm (Diagonal: 35.61 mm)
DYNAMIC RANGE	16.5+ stops (Both Sensitivities)
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)
MAX FRAME RATES ¹	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)
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 22:1¹	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 FORMATS²	5K Full Height 1.7:1 (5120 x 3000), 6:5 and Ana 2x, 1.3x 5K Full Format (5120 x 2700), 2:1, 2.4:1, 16:9, 4:1, 8:1, and Ana 2x, 1.3x 4K Full Format (4096 x 2160), 2:1, 2.4:1, 16:9, 3:2, 4:3, 6:5, 4:1, 8:1, and Ana 2x, 1.3x 3K Full Format (3072 x 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 x 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	DNxHR HQX at 4K (4096 × 2160) 12-bit up to 30 fps DNxHR HQ and SQ at 4K (4096 × 2160) 8-bit up to 30 fps DNxHR 444 at 2K (2048 × 1080) 12-bit up to 120 fps DNxHR HQ and SQ at 2K (2048 × 1080) 8-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	7.30 lbs (with Integrated Media Bay, PL Mount, and Gold Mount) 7.50 lbs (with Integrated Media Bay, PL Mount, and V-Lock)
DC IN POWER INPUT	11.5 V DC to 32 V DC
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	Supports 33×33×33, 32×32×32, 26×26×26, and 17×17×17 3D LUTs Variable number of 3D LUT outputs User programmable shaper 1D LUTs Tetrahedral interpolation, 16-bit processing
AUDIO	Integrated dual channel digital stereo microphones, uncompressed, 24-bit 48 kHz Integrated dual channel 5-pin XLR with preamplifiers, uncompressed, 24-bit 48 kHz
REMOTE CONTROL	External R.C.P. WiFi antenna with SMA connector Ethernet, RS232, and GPI Trigger
MONITOR OUTPUTS	3G-SDI (HD-SDI) and MON-1 1080p RGB or 4:2:2, 720p RGB or 4:2:2 SMPTE Timecode, HANC Metadata, 24-bit 48 kHz Audio
MONITOR OPTIONS	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, DSMC2 Touch 7.0" Ultra-Brite LCD, BOMB EVF (OLED) and BOMB EVF (LCOS) compatible with DSMC2 LCD/EVF Adaptor A or DSMC2 LCD/EVF Adaptor D, and LCD/EVF cable.
REDCINE-X PRO DELIVERY FORMATS	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 COMPATIBILITY⁴	Adobe Premiere Pro, AVID Media Composer, DaVinci Resolve, Edius Pro, Final Cut Pro, Vegas Pro