OVERVIEW

EPIC ushers in the next generation of digital cinema, featuring a 5K sensor capable of capturing 1 to 120 frames per second at full resolution. From fashion spreads to 3D IMAX features, EPIC has crossbred elite photography with unrivaled cinema capability—all in a camera the size of a DSLR. In challenging lighting conditions, EPIC makes it easy to adapt with its ability to reach up to 18 stops of dynamic range with HDRx. Remarkable technology packed into a 4lb body - with EPIC, less is more.

Consistent with RED's high-resolution lineage, EPIC has made large format distribution accessible and easy. 5K images make it possible for you to streamline your footage for IMAX applications, giving you the most resolution for stills and motion workflows. No matter the size of your project, 5K gives you every opportunity to be EPIC.

TECHNICAL DATA

SENSOR	14 MEGAPIXEL MYSTERIUM-X™
PIXEL ARRAY	5120 (h) x 2700 (v)
S/N RATIO	66db
DYNAMIC RANGE	13.5 stops, up to 18 stops with HDRx™
MAX IMAGE AREA	5120 (h) x 2700 (v)
LENS COVERAGE	27.7mm (h) x 14.6mm (v) x 31.4 mm (d)
DEPTH OF FIELD	Equivalent to S35mm (Motion) / APS-H (Still) lenses Equivalent to 16mm (Motion) lens in 2K RAW
ACQUISITION FORMATS	5K RAW (Full Frame, 2:1, 2.4:1 and Anamorphic 2:1) 4.5K RAW (2.4:1) 4K RAW (16:9, HD, 2:1 and Anamorphic 2:1) 3K RAW (16:9, 2:1 and Anamorphic 2:1) 2K RAW (16:9, 2:1 and Anamorphic 2:1) 1080p RGB (16:9) 720p RGB (16:9)

PROJECT FRAME RATES	23.98, 24, 25, 29.97, 47.96, 48, 50, 59.94 fps, all resolutions
DELIVERY FORMATS*	4K : DPX, TIFF, OpenEXR (RED RAY via optional encoder) 2K : DPX, TIFF, OpenEXR (RED RAY via optional encoder) 1080p RGB or 4:2:2, 720p 4:2:2 : Quicktime, JPEG Avid AAF, MXF. 1080p 4.2.0, 720p 4:2:0 : H.264, .MP4
PROGRAM OUTPUT	HD-SDI Clean Feed 2K RGB, 1080p RGB or 4:2:2, 720p 4:2:2 SMPTE Timecode, HANC Metadata, 24-bit 48Khz Audio
MONITOR OUTPUT	HD-SDI and HDMI with Frame Guides and Look Around 2K RGB, 1080p RGB or 4:2:2, 720p RGB or 4:2:2 SMPTE Timecode, HANC Metadata, 24-bit 48Khz Audio
DIGITAL MEDIA	REDMAG (SSD) Module : (64, 128, 256GB Media)
REDCODE™	12 and 16-bit RAW : Compression choices of 18:1 to 3:1 1-120 fps 5K, 4.5K 1-150 fps 4K 1-200 fps 3K 1-300 fps 2K
AUDIO	2 channel, uncompressed, 24 bit, 48KHz. Optional 4 channel, and AES / EBU digital audio.
MONITORING OPTIONS	RED LCD 5" Touchscreen Display BOMB EVF™ High Definition Viewfinder
REMOTE CONTROL	Wireless, Ethernet, RS232, GPI Trigger
WEIGHT	5lbs. Body only
CONSTRUCTION	Aluminum Alloy
TEMPERATURE RANGES	Operating Range: 0˚C to +40˚C (32˚F to 104˚F)

Storage Range: -20°C to +50°C (-4°F to 122°F)