

# EPIC TECHNICAL SPECS

<b>SENSOR</b>	<b>14 MEGAPIXEL MYSTERIUM-X™</b>
<b>PIXEL ARRAY</b>	5120 (h) x 2700 (v)
<b>S/N RATIO</b>	66db
<b>DYNAMIC RANGE</b>	13.5 stops, up to 18 stops with HDRx™
<b>MAX IMAGE AREA</b>	5120 (h) x 2700 (v)
<b>LENS COVERAGE</b>	27.7mm (h) x 14.6mm (v) x 31.4 mm (d)
<b>DEPTH OF FIELD</b>	Equivalent to S35mm (Motion) / APS-H (Still) lenses Equivalent to 16mm (Motion) lens in 2K RAW
<b>ACQUISITION FORMATS</b>	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)
<b>PROJECT FRAME RATES</b>	23.98, 24, 25, 29.97, 48, 50, 59.94 fps, all resolutions
<b>DELIVERY FORMATS*</b>	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
<b>PROGRAM OUTPUT</b>	HD-SDI Clean Feed 2K RGB, 1080p RGB or 4:2:2, 720p 4:2:2 SMPTE Timecode, HANC Metadata, 24-bit 48Khz Audio
<b>MONITOR OUTPUT</b>	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
<b>DIGITAL MEDIA</b>	REDFLASH (CF) Module : (8, 16GB Media) REDFLASH (SSD) Module : (64, 128, 256GB Media)
<b>REDCODE™</b>	12 and 16-bit RAW : RC25 - 250 Quality Levels 1-120 fps 5K, 4.5K, 4K 1-180 fps 3K 1-225 fps 2K
<b>AUDIO</b>	2 channel, uncompressed, 24 bit, 48KHz. Optional 4 channel, and AES / EBU digital audio.
<b>MONITORING OPTIONS</b>	RED LCD 5" Touchscreen Display BOMB EVF™ High Definition Viewfinder
<b>REMOTE CONTROL</b>	Wireless, Ethernet, RS232, GPI Trigger
<b>WEIGHT</b>	5lbs. Body only
<b>CONSTRUCTION</b>	Aluminum Alloy
<b>TEMPERATURE RANGES</b>	Operating Range: 0°C to +40°C (32°F to 104°F) Storage Range: -20°C to +50°C (-4°F to 122°F)

