

# RED ONE SPECS

<b>SENSOR</b>	14 MEGAPIXEL MYSTERIUM-X™
<b>PIXEL ARRAY</b>	5120 (h) x 2700 (v)
<b>S/N RATIO</b>	66db
<b>DYNAMIC RANGE</b>	13+ stops
<b>MAX IMAGE AREA</b>	4480 (h) x 2304 (v)
<b>LENS COVERAGE</b>	24.2mm (h) x 12.5mm (v) x 27.3 mm (d)
<b>DEPTH OF FIELD</b>	Equivalent to S35mm (Motion) lens Equivalent to 16mm (Motion) lens in 2K RAW 4.5K RAW (2.4:1)
<b>ACQUISITION FORMATS</b>	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)
<b>PROJECT FRAME RATES</b>	23.98, 24, 25, 29.97 fps @ 4.5K, 4K plus 50, 59.94fps @ 3K, 2K 4K : DPX, TIFF, OpenEXR (RED RAY via optional encoder)
<b>DELIVERY FORMATS *</b>	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 HD-SDI and HDMI with Frame Guides and Look Around
<b>MONITOR OUTPUTS</b>	720p RGB or 4:2:2 SMPTE Timecode, HANC Metadata, 24-bit 48Khz Audio
<b>DIGITAL MEDIA</b>	REDFLASH (CF) Module : (16GB Media) RED SSD™ (64GB, 128GB, 256GB Capacity) 12-bit RAW : RC28, 36, 42 Quality Levels
<b>REDCODE™</b>	1-30 fps 4.5K, 4K 1-60 fps 3K 1-120 fps 2K
<b>AUDIO</b>	4 channel, uncompressed, 24 bit, 48KHz.
<b>MONITORING OPTIONS</b>	RED LCD 5" Flat Panel Display RED PRO LCD 7" Flat Panel Display BOMB EVF™ High Definition Viewfinder
<b>REMOTE CONTROL</b>	USB-2, GPI Trigger
<b>WEIGHT</b>	10lbs. Body
<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)