

RED ONE Specs

SENSOR	14 Megapixel MYSTERIUM-X
PIXEL ARRAY	5120 (h) x 2700 (v)
MAX IMAGE AREA	4480 (h) x 2304 (v)
DYNAMIC RANGE	13+ stops
LENS COVERAGE	24.2mm (h) x 12.5mm (v) x 27.3 mm (d)
MAX DEPTH OF FIELD	Equivalent to S35mm (Motion) lens Equivalent to 16mm (Motion) lens in 2K RAW
PROJECT TIMEBASE	23.98, 24, 25, 29.97 fps @ 4K and 4.5K resolution 50, 59.94fps @ 2K and 3K resolution
RECORDING FRAME RATES	1–30 fps @ 4.5K, 4K 1–60 fps @ 3K 1–120 fps @ 2K
REDCODE COMPRESSION	12-bit RAW : RC28, 36, 42 Quality Levels
REDCODE RAW ACQUISITION FORMATS	4.5K (2.4:1) 4K (16:9, HD, 2:1, and Anamorphic 2:1) 3K (16:9, 2:1, and Anamorphic 2:1) 2K (16:9, 2:1, and Anamorphic 2:1)
DELIVERY FORMATS¹	4K: DPX, TIFF, OpenEXR (.RED via REncode Plugin) 2K: DPX, TIFF, OpenEXR (.RED via REncode Plugin) 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
MONITOR OUTPUTS	HD-SDI and HDMI with Frame Guides and Look Around 720p RGB or 4:2:2 SMPTE Timecode, HANC Metadata, 24-bit 48 kHz Audio
MONITOR OPTIONS	RED LCD 5" Flat Panel Display RED PRO LCD 7" Flat Panel Display BOMB EVF (LCOS) High Definition Viewfinder BOMB EVF (OLED) High Definition Viewfinder
DIGITAL MEDIA	RED CF, REDMAG 1.8"
AUDIO	4 channel, uncompressed, 24-bit 48 kHz
REMOTE CONTROL	USB-2, GPI Trigger
CONSTRUCTION	Aluminum Alloy
WEIGHT	10 lbs (Body only)
OPERATING TEMPERATURE	0°C to 40°C (32°F to 104°F)
STORAGE TEMPERATURE	–20°C to 50°C (–4°F to 122°F)