TECHNICAL SPECIFICATIONS

Technical specifications reflect both current and projected information. Everything is subject to change.

KOMODO CAMERA

SPECIFICATION	DESCRIPTION
Sensor Type	KOMODO™ 19.9 MP, Super 35 mm Global Shutter, CMOS
Effective Pixels	6144 × 3240
Sensor Size	27.03 mm × 14.26 mm (Diagonal: 30.56 mm)
Dynamic Range	16+ stops
Mount Type[1]	RF Mount Accepts Canon RF mount-based lens adaptors for diverse lens choices. Supports Canon EF with full electronic communication through a compatible Canon RF mount adapter, and supports mechanically operated RF lenses (electronic control of Canon RF lenses not supported at this time)
Max Data Rates	Up to 280 MB/s using RED Pro CFast and qualified CFast 2.0 memory cards
REDCODE® RAW Maximum Frame Rates	40 FPS at 6K 17:9 (6144 × 3240) 50 FPS at 6K 2.4:1 (6144 x 2592) 48 FPS at 5K 17:9 (5120 × 2700) 60 FPS at 4K 17:9 (4096 × 2160) 120 FPS at 2K 17:9 (2048 × 1080)
Playback Frame Rates (Project Time Base)	23.98, 24, 25, 29.97, 30, 50, 59.94, and 60 FPS, at all resolutions
Best Available REDCODE® Settings	REDCODE HQ, MQ, and LQ at 6K 17:9 (6144 × 3240) up to 40 FPS REDCODE HQ, MQ, and LQ at 4K 17:9 (4096 × 2160) up to 60 FPS REDCODE HQ, MQ, and LQ at 2K 17:9 (2048 × 1080) up to 120 FPS
REDCODE RAW Acquisition Formats	6K 17:9 (6144 × 3240), 2.4:1 and 16:9 5K 17:9 (5120 × 2700) 4K 17:9 (4096 × 2160) 2K 17:9 (2048 × 1080)
Apple® ProRes	4K (4096 × 2160) at ProRes 422 HQ and ProRes 422 up to 60 fps 2K (2048 × 1080) at ProRes 422 HQ and ProRes 422 up to 120 fps
Construction	Aluminum Alloy
Weight	2.10 lb without the body cap and the CFast 2.0 media card
Battery Type	Two slots for Canon BP-900 Series[1] batteries
DC Power	+7 to +17 V DC using the integrated 2-pin DC-Input port
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

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SPECIFICATION	DESCRIPTION
Color Management	Image Processing Pipeline 2 (IPP2) Supports 33×33×33 3D LUTs Supports import of CDLs
Audio	Integrated dual channel digital mono microphones, uncompressed, 24-bit 48 kHz Additional dual channel integrated 3.5 mm audio jack, uncompressed, 24-bit 48 kHz
Remote Control	Wi-Fi for camera control and live preview through interchangeable antenna with SMA connection. Genlock, Timecode In, GPIO and Ctrl (RS-232) using the integrated 9-pin EXT Port. Wired control through the KOMODO Link Adaptor, using USB-C or Gigabit Ethernet (compatible USB-C to Ethernet adapter[1] required) allowing camera control and live MJPEG preview video feed.
Monitor Outputs	Integrated 12G-SDI with 6G-SDI, 3G-SDI, and 1.5G-SDI modes 12G-SDI: Up to 4096 × 2160 4:2:2 for 60p 6G-SDI: Up to 4096 × 2160 4:2:2 for 30p 3G-SDI: Up to 2048 × 1080 4:2:2 for 60p 1.5G-SDI: Up to 2048 × 1080 4:2:2 for 30p and 24p SMPTE Timecode, HANC Metadata, and 24-bit 48 kHz Audio
Monitor Options	Integrated 2.9" 1440 x 1440 touchscreen LCD with preview and camera control Wireless live preview video feed through 2.4 Ghz or 5 Ghz Wi-Fi for framing
RED App	Access camera control, live preview, product registration, and educational content on your phone. Available from the Apple App Store and Google Play Store. RED Control works wirelessly or wired over USB-C, using the KOMODO Link (sold separately)

1. For more information on approved mount adaptors, lenses, batteries, accessories and CFast 2.0 cards, refer to RED.com