KOMODO-X™ 6K

NEXT EVOLUTION OF THE KOMODO LINE FEATURES ALL-NEW SENSOR TECHNOLOGY THAT MULTIPLIES FRAME RATE AND DYNAMIC RANGE PERFORMANCE WITH A NEW ADVANCED PLATFORM.

NEXT GENERATION GLOBAL SHUTTER SENSOR

KOMODO-X FEATURES A COMPLETELY OVERHAULED SENSOR ARCHITECTURE, WITH UPDATED PIXEL DESIGN AND IMPROVEMENTS IN BOTH DETAIL AND COLOR IN SHADOWS.

6K AT 80 FPS & 4K AT 120 FPS

KOMODO-X ACHIEVES 80 FPS IN 6K AND 120 FPS IN 4K, THANKS TO THE NEW SENSOR DESIGN AND TECHNOLOGY, AS WELL AS SUPPORT FOR CFEXPRESS TYPE B.

ADVANCED PLATFORM AND IMPROVED BODY DESIGN

A ROBUST LOCKING RF MOUNT, WITH PROFESSIONAL MICRO V-LOCK BATTERY INTERFACE AND ALL-NEW ASSIGNABLE BUTTONS. PLUS EXPANDED I/O, INCLUDING UPDATED MONITORING CAPABILITIES WITH SUPPORT FOR DSMC3 TOUCH LCD, BUILT-IN USB TYPE-C, AND NEWLY ENGINEERED AUDIO HARDWARE WITH IMPROVED PREAMP.

KOMODO-X™ 6K

SENSOR SPECS	
SENSOR	KOMODO-X 19.9MP Super 35mm Global Shutter CMOS
EFFECTIVE PIXELS	6144 (h) x 3240 (v)
SENSOR SIZE	27.03 mm x 14.26 mm (Diagonal: 30.56mm)
DYNAMIC RANGE	16.5+ stops

LENS MOUNT	
MOUNT TYPE	Integrated locking RF mount with electronic communication Supports /i PL Lenses with RED RF to PL Adapters Supports Canon EF Adapter with communication and other adapters based on the RF mount

RECORDING	
MAX DATA RATES	Up to 560 MB/s using RED branded or other qualified CFexpress media cards[1]
REDCODE® RAW MAX FRAME RATES	80 fps at 6K 17:9 (6144 x 3240) 96 fps at 5K 17:9 (5120 x 2700) 120 fps at 4K 17:9 (4096 x 2160) 240 fps at 2K 17:9 (2048 x 1080)
PLAYBACK FRAME RATES (PROJECT TIME BASE)	23.98, 24, 25, 29.97, 30, 50, 59.94, 60 fps, all resolutions
BEST AVAILABLE REDCODE® SETTINGS	REDCODE HQ, MQ, LQ, and ELQ at 6K 17:9 (6144 x 3240) up to 80 fps REDCODE HQ, MQ, LQ, and ELQ at 4K 17:9 (4096 x 2160) up to 120 fps REDCODE HQ, MQ, LQ, and ELQ at 2K 17:9 (2048 x 1080) up to 240 fps
REDCODE® RAW ACQUISITION FORMATS	6K 17:9 (6144 x 3240), 2:1, 2.4:1, 16:9. 1:1, and Anamorphic 2x, 1.8x, 1.6x, 1.5x, 1.3x, 1.25x 5K 17:9 (5120 x 2700) and 16:9 4K 17:9 (4096 x 2160) and 16:9x 2K 17:9 (2048 x 1080)
APPLE PRORES	Dedicated recording in 4K (4096 x 2160) ProRes 4444 XQ up to 60 fps, ProRes 4444 up to 80 fps, and ProRes 422 HQ, ProRes 422, and ProRes 422 LT up to 120 fps

GENERAL	
CONSTRUCTION	Alluminum Alloy
DIMENSIONS	129.37 x 101.26 x 95.26 mm / 5.1 x 4 x 3.8 in (LxWxH, largest fixed dims.)
WEIGHT	2.62 lbs (without body cap and CFexpress card)
MEDIA TYPE	CFexpress Type B
BATTERY TYPE	Integrated V-Lock battery interface optimized for Micro V-Lock Batteries[1]
DC POWER INPUT	11-17V via 6-pin DC-IN
OPERATING TEMPERATURE	0°C to 40°C (32°F to 104°F)
STORAGE TEMPERATURE	-20°C to 50°C (-4°F to 122°F)
STORAGE RELATIVE HUMIDITY	0% to 85% non-condensing

FEATURES	
COLOR MANAGEMENT	Image Processing Pipeline (IPP2) Supports 33x33x33 3D LUTs Supports import of CDLs
AUDIO	Integrated dual channel digital mono microphones, uncompressed, 24-bit 48 kHz Integrated dual channel (mic/line/+48V) input via 5-Pin 00B Audio Port, uncompressed, 24-bit 48 kHz 3.5mm stereo headphone port
AUTOFOCUS	Phase Detect and Contrast
MONITOR OPTIONS	Proprietary Top Accessory Port for Monitoring and Control Integrated 2.9" 1440x1440 touchscreen LCD with preview and camera control Integrated 12G-SDI with 6G-SDI, 3G-SDI and 1.5G-SDI modes 12G-SDI: Up to 4096 x 2160 4:2:2 for 60p 6G-SDI: Up to 4096 x 2160 4:2:2 for 30p 3G-SDI: Up to 2048 x 1080 4:2:2 for 60p 1.5G-SDI: Up to 2048 x 1080 4:2:2 for 30p, 24p SMPTE Timecode, HANC Metadata, 24-bit 48 kHz Audio
ADDITIONAL I/O	Tri-Level Genlock Input via 9-Pin EXT LTC Timecode Input via 9-Pin EXT RS232 CTRL (using RCP2) via 9-Pin EXT
IP CONNECTED	Wi-Fi (2.4GHz/5GHz) for camera control, video preview, and media offloading Ethernet via USB Type-C for camera control, video preview, and media offloading MJPEG 1080p live stream accessible through Wi-Fi and USB-C PTP for frame level synchronization R3D live broadcasting available with RED Connect License and 5Gbps Ethernet Adapter

SOFTWARE	
RED CONTROL & RED CONTROL PRO	Access full camera controls and live preview from iOS or Android devices. PRO APP: Operate one or multiple cameras over an IP connection to synchronize settings, manage media files locally or upload directly to FrameIO, develop custom looks with advanced CDL and LUT controls, and more. Ideal for control of multi-camera arrays, multi-cam shoots, and live events, all from one central location. Standard app available from the Apple App Store and Google Play Store. RED Control Pro available via Apple App store only and requires additional purchase. RED Control works wirelessly or wired via USB-C