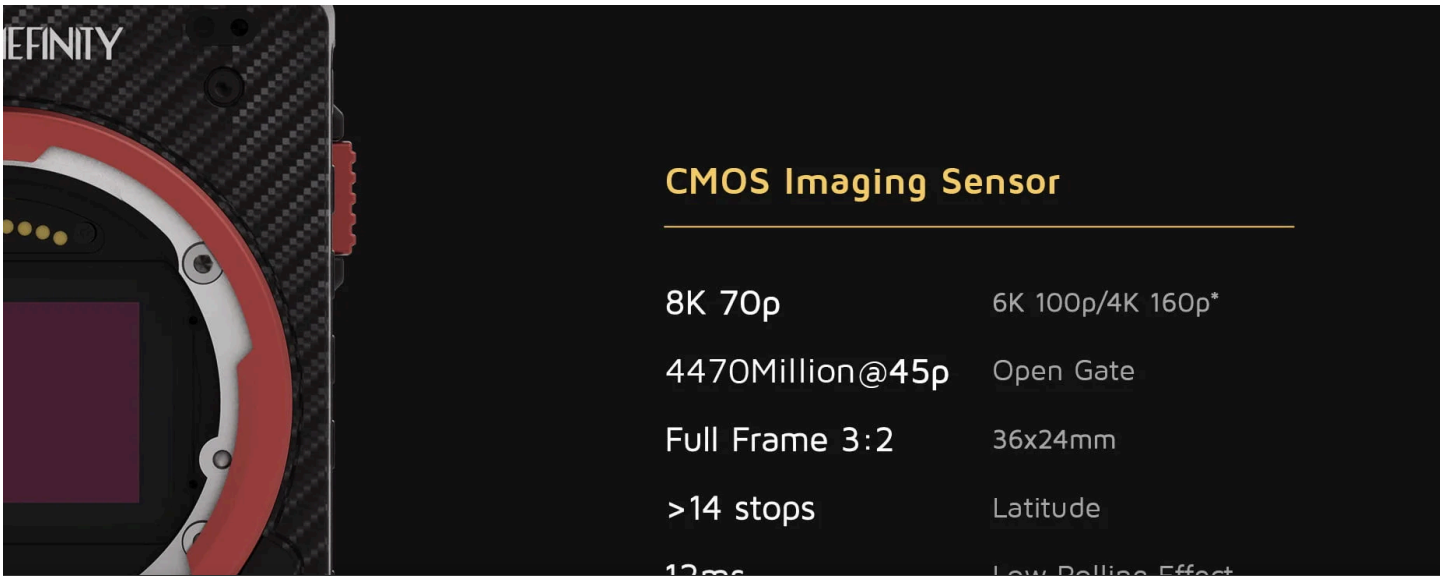
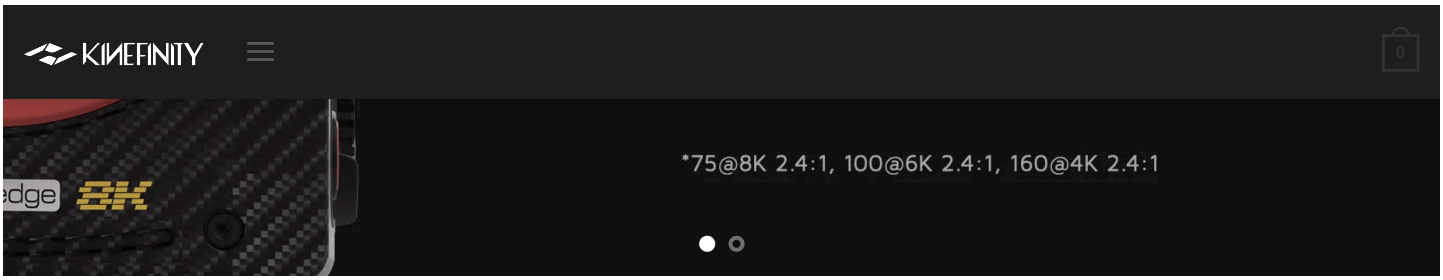
Whole-new MAVO Edge Camera

MAVO Edge is a brand-new large-format 8K cine camera. With a whole-new carbon fiber camera body, MAVO Edge is equipped with a stunning 8K 70P CMOS imaging sensor and cutting-edge image processing engine, which elevate the Kinefinity camera system to a whole new level. Featuring internal motorized full-spectrum e-ND, more industry-standard ports and dual SSD media slots, the highly integrated MAVO Edge still remains very compact and lightweight. At the same time, Kinefinity brings Apple ProRes4444/XQ up to 8K to the MAVO Edge as an in-camera codec to make the workflow easier.

Stunning 8K 70P Imaging Sensor

The new 8K imaging sensor on the MAVO Edge is an amazing canvas with 45 million pixels on a 36x24mm full-frame CMOS sensor featuring 640/2560 dual native ISO, 8K Wide up to 70fps and latitude up to 14+ stops. Even at open gate 3:2 , surprisingly this beast can still deliver a gorgeous image of 45 million pixels at up to 45 frames per second. All of these features allow cinematographers to create without boundaries, no matter for feature movies, production with VFX, high-end TV commercial and series, even wild-life documentaries. Not just getting highest resolution for motion pictures, MAVO Edge ensures natural color, pleasing skin tones, low noise, high dynamic range and stunning details in organic and delicate way, cinematically.





In-camera 8K ProRes4444

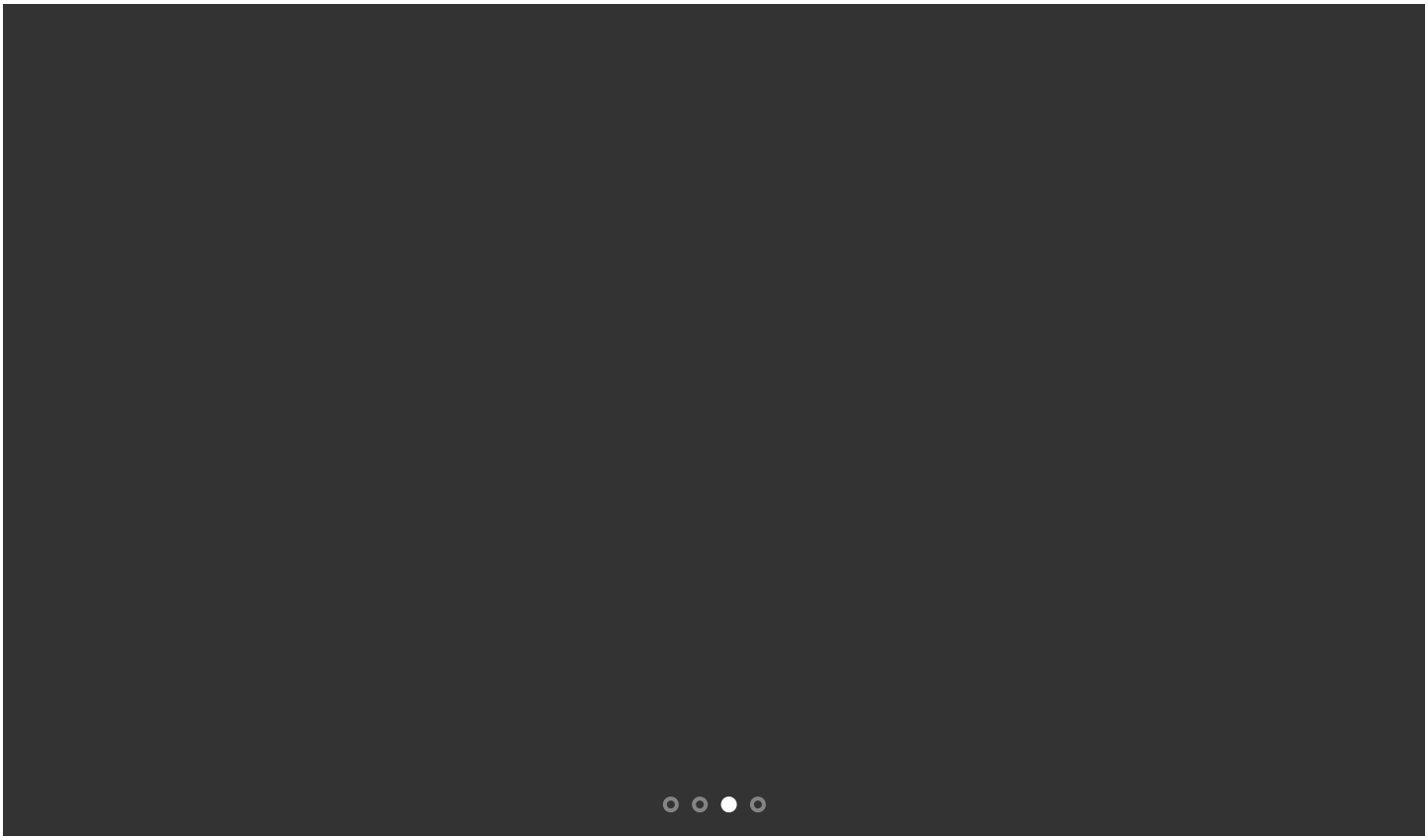
MAVO Edge can directly record Apple's ProRes4444/XQ codec which has been highly expected by the video industry. From the capture of its 8K CMOS image over the delicate color processing to the 8K ProRes4444 encoding and storage, these complex processes and the ultra-high bandwidth bitrate processing all happen within the compact MAVO Edge body. Aside from this, MAVO Edge also supports in-camera ProRes4444/XQ and ProRes422HQ.

Recognized by Hollywood's filmmaking industry, ProRes is an universal intermediate codec led by Apple Inc., delivers the flexibility of video with the incredible performance of ProRes in a format ideal for high-dynamic-range (HDR) content creation. For now, ProRes can be edited and graded in Apple Final Cut Pro X, Assimilate SCRATCH, Filmlight Baselight and so on.

Integration, Convenient to Use

The whole-new integrated carbon fiber body has incorporated the full-spectrum e-ND system, dual SSD slots with blazing-fast NVMe M.2-based KineMAG Nano, comprehensive networking and creative power solution.

MAVO Edge integrated the functions of KineBACK-W into the camera body with numerous professional ports: dual XLR ports for Phantom-powered 48V MIC, dual 1.5G/3G-SDI monitoring outputs with metadata and audio embedded, time code input and output, SYNC, DC Power output, innovative hybrid battery plate with D-Tap port, and 12V RS port and Lens port (12V) to power the third-party accessories like wireless video transmitter and wireless lens motor directly.



Innovative KineKIT Edge

Movcam brings dedicated KineKIT for MAVO Edge, especially the innovative 15mm baseplate with UPS function powered by two NP-F550 type batteries, due to specialized UPS power contacts at the bottom of MAVO Edge. New-designed KineKITfrom Movcam takes into account of MAVO in different scenarios, such as hand-held, tripod, on shoulder, gimbal, high and low shooting angles, etc., which makes it best choice for MAVO Edge.

MAVO Edge Spec

CMOS IMAGING SENSOR & FILTERS

Imaging Sensor	8K 3:2 Full Frame CMOS Imaging Sensor
Max Record Res	8192x5288, 44.7M Pixels
Active Area	36x24mm, ø 43.3mm
Dual Base ISO	Regular Base ISO: 640 (from 250~800)
	High Base ISO: 2560 (from 800 to 16000)
Latitude	>14 stops
Shutter Angle	0.7°~358° with rolling shutter
Lens Mount	Native KineMOUNT with Short FFD Adapters: PL/LPL/Active EF/passive E
Optical Filter	Replaceable OLPF with UV and IR-cut filter
ND Filter	Built-in motorized: Clear and e-ND from 0.6 to 2.1

RESOLUTION, FRAME RATE and OPTICAL FORMAT

Full Frame	FF 8K OG	8192x5288，2~45fps	ProRes	36x23.3mm，ø 42.9mm
	FF 8K DCI	8192x4320，2~55fps	ProRes	36x19mm，ø 40.7mm
	FF 8K 2.4:1	8192x3384，2~70fps	ProRes	36x14.9mm，ø 39.0mm

	FF 7.2K 3:2	7168x4760，2~50fps	ProRes	31.5x21mm，ø 37.9mm
	FF 6.4K 4:2	6400x4760，2~50fps	ProRes	28.1x21mm，ø 35.1mm
	FF 5.7K 6:5	5760x4760，2~50fps	ProRes	25.3x21mm，ø 32.9mm
	FF 4.8K 3:2 (Oversample)	4864x3176，2~50fps	ProRes	31.5x21mm，ø 37.9mm
	FF 4.2K 4:3 (Oversample)	4224x3176，2~50fps	ProRes	28.1x21mm，ø 35.1mm
	FF 4K OG (Oversample)	4096x2644，2~45fps	ProRes	36x23.3mm，ø 42.9mm
	FF 4K DCI (Oversample)	4096x2160，2~55fps	ProRes	36x19mm，ø 40.7mm
	FF 4K 2.4:1 (Oversample)	4096x1692，2~70fps	ProRes	36x14.9mm，ø 39.0mm
	FF 3.8K 6:5 (Oversample)	3840x3176，2~50fps	ProRes	25.3x21mm，ø 32.9mm
	FF 4K UHD (Oversample)	3840x2160，2~55fps	ProRes	33.8x19mm，ø 38.7mm
	FF 3.8K 2.4:1 (Oversample)	3840x1600，2~70fps	ProRes	33.8x14.1mm，ø 36.6mm
S35	S35 6K 3:2	6144x3840，2~60fps	ProRes	27x16.8mm，ø 31.8mm
	S35 6K DCI	6144x3240，2~72fps	ProRes	27x14.2mm，ø 30.5mm
	S35 6K 2.4:1	6144x2560，2~92fps	ProRes	27x11.3mm，ø 29.3mm
	S35 6K UHD	5760x3240，2~72fps	ProRes	25.2x14.2mm，ø 29.0mm
	S35 5K 4:3	5120x3840，2~60fps	ProRes	22.5x16.8mm，ø 28.1mm
	S35 5K DCI	5120x2700，2~85fps	ProRes	22.5x11.9mm，ø 25.5mm
	S35 5K 2.4:1	5120x2160，2~108fps	ProRes	22.5x9.5mm，ø 24.4mm
	S35 4.8K 6:5	4864x3840，2~60fps	ProRes	21.4x16.8mm，ø 27.2mm
	S35 4K 3:2 (Oversample)	4096x2560，2~60fps	ProRes	27x16.8mm，ø 31.8mm
	S35 4K DCI (Oversample)	4096x2160，2~72fps	ProRes	27x14.2mm，ø 30.5mm
	S35 4K UHD (Oversample)	3840x2160，2~72fps	ProRes	25.2x14.2mm，ø 29.0mm
	S35 3.8K 2.4:1 (Oversample)	3840x1600，2~92fps	ProRes	25.2x10.5mm，ø 27.3mm
	S35 3.4K 4:3 (Oversample)	3456x2560，2~60fps	ProRes	22.5x16.8mm，ø 28.1mm
	S35 3K 6:5 (Oversample)	3072x2560，2~60fps	ProRes	21.4x16.8mm，ø 27.2mm
Other Cropping	4K DCI	4096x2160，2~108fps	ProRes	
	4K 2.4:1	4096x1692，2~130fps	ProRes	
	4K UHD	3840x2160，2~108fps	ProRes	
	3.8K 2.4:1	3840x1600，2~145fps	ProRes	
	2K DCI	2048x1080，2~215fps	ProRes	
	2K 2.4:1	2048x800，2~268fps	ProRes	
	2K FHD	1920x1080，2~215fps	ProRes	
	1.9K 2.4:1	1920x800，2~286fps	ProRes	

CODECS, COLOR and RECORD MEDIA

	Codec Type	Codec Format	Bit Depth	Notes
Record Codec	ProRes4444XQ	Quicktime mov	12bits	
	ProRes4444	Quicktime mov	12bits	
	ProRes422HQ	Quicktime mov	10bits	ProRes422/LT included

Record Media	Media Slot x2, for KineMAG Nano SSD based on NVMe M.2 SSD
Media Size (WxHxL)	1.5x3.4x0.3" / 40x88x9 mm

MONITORING

Monitoring	Proprietary Video Port x2, for Kinefinity Viewfinder, KineMON-5U, KineMON-7U
	3G/1.5G SDI x2 with Meta data (regular BNC)
	USB-C usb x1 for iOS Device with Kinefinity App

Monitoring display on Video ports is independent from SDI outputs.

AUDIO IN AND OUT

Audio sampling spec	Linear PCM, 24bits, 48KHz
Audio input	In-cam mono MIC
	3.5mm Stereo MIC
	48V Phantom Power Balanced Input x2 (regular XLR)
Audio output	3.5mm Stereo Audio Output

Network and Wireless Interfaces

Wired	Gigabit Ethernet (RJ45 type) for live stream, camera control and data transfer
Wireless	WIFI 5 for live stream, camera control
	Bluetooth 5.0
	3-axis accelerometer

Sync and Control

Timecode	Linear TC In&Out (0B5P socket)
Sync	Genlock (regular BNC)
Control	Lens with RS232, Power output (0B6P)
Multi-sync, Control	SYNC with RS232 and Kinefinity camera sync(0B7P)
RS	Rec trigger input with Power output (fisher 3P)
Extention	EXT x2(for pogo-pin, 10 contacts)

Power In and Out

Power consumption	32W, when 8K 25p, liveview
Power Input	DC Input (1B2P), 11~26V
	Integrated V-mount battery plate, V-mount battery or BP-U compatible
	UPS EXT 3(for pogo-pin, 8 contacts)
	D-tap x1, Vbat@3A; Vbat as DC in or BAT in
Power outputs	RS x1, Vbat@3A
	Lens x1, Vbat@3A

Body Material	Carbon Fiber with Aluminum Alloy
Body Weight	3.3lb/1.5kg
Size(WxHxL)	4.1x4.8x4.3" / 106x124x109 mm (*w/o protrusion)
Operating Temp	0°C to 40°C

Notes:

- Limited to the Storage Media or storage interface speed; not all resolutions and frame rates support ProRes4444 and 4444XQ.
- ALL SPECIFICATIONS SHOWN ARE PRELIMINARY AND SUBJECT TO CHANGE WITHOUT NOTICE.
- Above complete functions can be realized by firmware update.
- Any other trade marks belong to their respective owners.

MAVO Edge is a brand-new large-format 8K cine camera with unprecedented 45 million pixels and state-of-the-art image quality in ProRes, making every single frame comparable to those captured by high-end SLR cameras. The whole-new integrated carbon fiber body has incorporated the full-spectrum e-ND system, dual SSD slots with NVMe M.2-based KineMAG Nano, comprehensive networking and creative power solution.

All these cutting-edge technologies not only ease story-tellers, documentary makers and video-content creators to capture incredibly pleasing images, but offer a future-proof creative tool to keep innovating, keep moving forward.

Note: Any other trade marks belong to their respective owners.

Recent Updates