



MAVO mark2 **NEW**

MAVO Edge 6K **HOT**

MAVO Edge 8K

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MAVO Edge 6K Camera

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Parameters & Tech Spec

CMOS IMAGING
SENSOR

6K 3:2 Full Frame CMOS Imaging Sensor

Max Record Res	6016×3984 (Open gate 3:2), 24M
Frame Rate	0.2~75fps @FF 6K Wide, 0.2~150fps @S35 4K Wide
Active Area	36x24mm, ø 43.3mm
Dual Base ISO	Regular Base ISO: 800 (500 – 2560), High Base ISO: 5120 (3200 – 20480)
Latitude	>14 stops
Shutter Angle	0.7°~358° with rolling shutter

Lens Mount	Omni Native KineMOUNT, Short FFD Adapters: PL/LPL/Active EF/passive E
Optical Filter	OLPF with UV and IR-cut filter
ND Filter	Built-in motorized: Clear and e-ND from 0.6 to 2.4

CODECS, LUT

Record Codec	Codec Type	Codec Format	Bit Depth	Notes
	Uncompressed RAW	dng	12bits	RAW resolution frame rate will be updated in subsequent firmware versions of MAVO Edge 6K
	ProRes4444XQ	Quicktime mov	12bits	KineLOG3
	ProRes4444	Quicktime mov	12bits	KineLOG3
	ProRes422HQ	Quicktime mov	10bits	KineLOG3, ProRes422/LT included

LUT	KineLOG3, Neutral(Rec 709), Support Custom 3D LUT
Record Media	Media Slot x2, for KineMAG Nano SSD 1TB based on NVMe M.2 SSD (3rd party NVMe M.2 2280 cards are also supported via the KineMAG Nano card body)
KineMAG Nano Size	1.6×3.5×0.35″/40x88x9mm (WxHxL)

RESOLUTION, FRAME RATE and OPTICAL FORMAT

Full Frame	Resolution	Frame Rate	Codec	Optical Format
	FF 6K OG	6016×3984, 0.2~48fps	ProRes	36x24mm, ø 43.3mm
	FF 6K 17:9	6016×3172, 0.2~60fps	ProRes	36x19.1mm, ø 41.0mm
	FF 6K 2.4:1	6016×2520, 0.2~75fps	ProRes	36x15.2mm, ø 39.1mm
	FF 5.7K 3:2	5760×3700, 0.2~50fps	ProRes	34.5×22.2mm, ø 41.0mm
	FF 6K UHD	5760×3240, 0.2~58fps	ProRes	34.5x19.5mm, ø 39.6 mm
	FF 5.7K 2.4:1	5760×2400, 0.2~75fps	ProRes	34.5x14.4mm, ø 37.4mm
	FF 5K 4:3	5120×3700, 0.2~50fps	ProRes	30.6×22.3mm, ø 37.9mm
	FF 5K DCI	5120×2700, 0.2~70fps	ProRes	30.6x16.2mm, ø 34.6mm
	FF 5K 2.4:1	5120×2160, 0.2~86fps	ProRes	30.6x12.9mm, ø 33.2mm

S35

FF 4.6K 6:5	4608×3700, 0.2~50fps	ProRes	27.6×22.3mm, ø 35.5mm
FF 3.8K 3:2 (Oversample)	3840×2460, 0.2~50fps	ProRes	34.5×22.2mm, ø 41.0mm
FF 4K UHD (Oversample)	3840×2160, 0.2~58fps	ProRes	34.5×19.5mm, ø 39.6 mm
FF 3.8K 2.4:1 (Oversample)	3840×1600, 0.2~75fps	ProRes	34.5×14.4mm, ø 37.4mm
FF 3.4K 4:3 (Oversample)	3456×2460, 0.2~50fps	ProRes	31.0×22.1mm, ø 38.1mm
FF 3K 6:5 (Oversample)	3072×2460, 0.2~50fps	ProRes	27.6×22.1mm, ø 35.3mm
Resolution	Frame Rate	Codec	Optical Format
S35 4K 3:2	4096×2700, 0.2~70fps	ProRes	24.5×16.1mm, ø 29.3mm
S35 4K DCI	4096×2160, 0.2~112fps	ProRes	24.5×12.9mm, ø 27.7mm
S35 4K 2.4:1	4096×1720, 0.2~140fps	ProRes	24.5×10.3mm, ø 26.6mm
S35 4K UHD	3840×2160, 0.2~112fps	ProRes	23.0×12.9mm, ø 26.4mm
S35 3.8K 2.4:1	3840×1600, 0.2~150fps	ProRes	23.0×9.6mm, ø 24.9mm
S35 3.6K 4:3	3712×2700, 0.2~70fps	ProRes	22.2×16.1mm, ø 27.4mm
S35 3.2K 6:5	3328×2700, 0.2~70fps	ProRes	19.9×16.1mm, ø 25.6mm
S35 2.7K 1:1	2688×2688, 0.2~70fps	ProRes	16.1×16.1mm, ø 22.8mm
S35 2K DCI (Oversample)	2048×1080, 0.2~112fps	ProRes	24.5×12.9mm, ø 27.7mm
S35 2K 2.4:1 (Oversample)	2048×860, 0.2~140fps	ProRes	24.5×10.3mm, ø 26.6mm
S35 2K FHD (Oversample)	1920×1080, 0.2~112fps	ProRes	23.0×12.9mm, ø 26.4mm
S35 1.9K 2.4:1 (Oversample)	1920×800, 0.2~140fps	ProRes	23.0×9.6mm, ø 24.9mm

Other Cropping

Resolution	Frame Rate	Codec	Optical Format
3K DCI	3072×1620, 0.2~144fps	ProRes	
3K 2.4:1	3072×1200, 0.2~195fps	ProRes	
3K HD	2944×1620, 0.2~145fps	ProRes	
3K HD 2.4:1	2944×1200, 0.2~195fps	ProRes	
2K DCI	2048×1080, 0.2~200fps	ProRes	
2K 2.4:1	2048×860, 0.2~270fps	ProRes	
2K FHD	1920×1080, 0.2~220fps	ProRes	
1.9K 2.4:1	1920×800, 0.2~290fps	ProRes	

MONITORING

Proprietary Video Port x2	For Kinefinity Viewfinder, KineMON-5U2/7U2 Ultra Bright Monitor with Touch Screen
SDI x2	3G/1.5G SDI x2 with Meta data (regular BNC)

AUDIO IN AND OUT

Audio sampling spec	Linear PCM, 24bits, 48KHz
Audio input	Built-in Mono Microphone
	3.5mm Microphone Jack
	48V Phantom-power Balanced Input x2 (regular XLR)
Audio output	3.5mm Headphone Jack

Wireless & Network

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

SYNC AND CONTROL

Timecode	Linear TC In&Out (0B5P)
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	Data & Control, EXT1 & EXT2(for pogo-pin, 2×4 contacts)
USB	Type-C USB x1, can be used for firmware updates and importing custom LUTs

POWER IN AND OUT

Power consumption	29W, when 6K HD 25p, liveview
Power Inputs	Integrated V-mount battery plate, V-mount battery or BP-U compatible
	DC Input (1B2P), 11~26V
	UPS EXT 3(for pogo-pin, 2×5 contacts)
Power outputs	D-tap x1, Vbat @3A; Vbat as DC in or BAT in
	RS x1, Vbat @3A (Shared with D-tap)
	Lens x1, Vbat @3A

CONSTRUCTION AND SIZE

Body Material	Ultra-high Strength Aircraft Aluminium
Body Weight	3.5lb/1.6kg
Size(WxHxL)	4.1x4.8x4.3"/106x124x109 mm (*w/o protrusion)
Operating Temp	0°C ~ 40°C

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