

MAVO_Edge_Spec

Camera Type	Large Format Digital Cinema Camera
Imaging Sensor	8K 3:2 Full Frame CMOS Imaging Sensor
Max Record Res	8192x5456 (3:2 Open Gate), 44.7M
Frame Rate	8K Wide 0.2~75fps
Active Area	36x24mm, ϕ 43.3mm
Dual Base ISO	Regular Base ISO: 800 High Base ISO: 3200
Latitude	>14 stops
Shutter Angle	0.7°~358° with rolling shutter
Lens Mount	Native KineMOUNT with 15mm FFD Adapters: PL/LPL/Active EF/passive E
Optical Filter	Optical LPF 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

	Resolution	Frame Rate	Codec	Optical Format
Full Frame	FF 8K Wide	8192x3456, 0.2~75fps	ProRes RAW or ProRes	36x15.2mm, ϕ 39.1mm
	FF 8K DCI	8192x4320, 0.2~60fps	ProRes RAW or ProRes	36x19mm, ϕ 40.7mm
	FF 8K Open Gate	8192x5456, 0.2~48fps	ProRes RAW or ProRes	36x24mm, ϕ 43.3mm
	FF 6K DCI (Oversample)	6144x3240, 0.2~60fps	ProRes	36x19mm, ϕ 43.3mm
	FF 4K DCI (Oversample)	4096x2160, 0.2~60fps	ProRes	36x19mm, ϕ 43.3mm
	FF 2K DCI (Oversample)	2048x1080, 0.2~60fps	ProRes	36x19mm, ϕ 43.3mm
S35	S35 6K Wide	6144x2560, 0.2~100fps	ProRes RAW or ProRes	27x11.3mm, ϕ 29.3mm
	S35 6K DCI	6144x3240, 0.2~80fps	ProRes RAW or ProRes	27x14.2mm, ϕ 30.5mm
	S35 5K Wide	5120x2160, 0.2~120fps	ProRes RAW or ProRes	22.5x9.5mm, ϕ 24.4mm
	S35 5K DCI	5120x2704, 0.2~96fps	ProRes RAW or ProRes	22.5x11.9mm, ϕ 25.5mm
	S35 4:3 Ana	5120x3840, 0.2~60fps	ProRes RAW or ProRes	22.5x16.9mm, ϕ 28.1mm
	S35 6:5 Ana	5120x4096, 0.2~60fps	ProRes RAW or ProRes	22.5x18mm, ϕ 28.8mm
	S35 1:1 Ana	4096x4096, 0.2~60fps	ProRes RAW or ProRes	18x18mm, ϕ 25.5mm
	S35 4K DCI (Oversample)	4096x2160, 0.2~80fps	ProRes	27x14.2mm, ϕ 30.5mm
S35 2K DCI (Oversample)	2048x1080, 0.2~80fps	ProRes	27x14.2mm, ϕ 30.5mm	
Others	4K Wide	4096x1600, 0.2~160fps	ProRes RAW or ProRes	
	4K DCI	4096x2160, 0.2~120fps	ProRes RAW or ProRes	
	2K Wide	2048x860, 0.2~300fps	ProRes RAW or ProRes	
	2K DCI	2048x1080, 0.2~240fps	ProRes RAW or ProRes	

Codec Format, Color

	Codec Type	Codec Format	Bit Depth	Notes
Record Codec	ProRes RAW	Quicktime mov	12bits	ProRes RAW HQ included
	ProRes4444XQ	Quicktime mov	12bits	
	ProRes4444	Quicktime mov	12bits	
	ProRes422HQ	Quicktime mov	10bits	ProRes422/LT included
Proxy Format	H264	mp4	8bits	Proxy recording when fps <=30
Color, LUT	KineLOG3, Neutral(Rec 709), Support Custom 3D LUT			
Record Media	Media Slot x2, for KineMAG Nano SSD based on NVMe M.2 SSD			
Media Size (WxHxL)	1.5x3.4x0.3" / 39x87x7 mm			

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

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

Wireless & Network	
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 GPS

SYNC and Control	
Timecode	Linear TC In&Out (0B5P)
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	Data&Control, EXT 1 and EXT 2 (for pogo-pin, 10 contacts)
USB	type-c usb x1 same with above monitoring usb-c, also works for firmware update, custom LUT importation

Power	
Power consumption	32W, when 8K 25p, liveview
Power Inputs	Integrated Hybrid battery plate, V-mount battery or BP-U compatible DC Input (1B2P), 11~19V UPS EXT 3(for pogo-pin, 8 contacts)
Power Outputs	D-tap x1, Vin@2A; Vin as DC in or BAT in RS x1, Vin@4A Lens x1, Vin@4A

Construction and Size	
Body Material	Carbon Fiber with Aluminum Alloy
Body Weight	2.6lb/1.2kg
Size(WxHxL)	4.1x4.8x4.7" / 105x121x119 mm (*w/o protrusion)
Operating Temp	-20°C to +40°C

Note:

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