

Freefly Public

Specifications

Specification	Condition	Value
--- Image Sensor ---		
Format	-	Sony IMX576
Aspect Ratio	-	4:3
Pixel Size	-	5.5µm x 5.5µm
Native Resolution	-	4096 x 3072
Active Area	-	22.53mm x 16.90mm
Shutter Type	-	Global Electron
Native ISO	-	250000
--- Lens Mount ---		
Standard Lens Mount	-	E-mount Compatib
Removable	-	Yes
Positive Locking	-	Yes
Electronic	-	No
--- Recording ---		
Media	-	Internal NVMe SS
Media Size	-	1TB or 2TB
Format	-	Compressed RG
Native Bit Depth	-	10-bit
Compression Ratio	Typical	5:1 to 6:1
Resolutions / Frame Rates	-	See Maximum Frame Rates
Bit Rate	Maximum	1.00GB/s (8.00Gb/s)
	4096 x 2176, 422fps, 5.5:1	0.89GB/s (6.84Gb/s)
	2048 x 1088, 1461fps, 5.5:1	0.74GB/s (5.92Gb/s)
Continuous Capture Time	4096 x 2176, 422fps, 1TB	19min

	4096 x 2176, 422fps, 2TB	39m
	2048 x 1088, 1461fps, 1TB	23m
	2048 x 1088, 1461fps, 2TB	45m
	Others	Limited only by Media Size
--- Power ---		
Battery	-	Internal 11.1V, 2200mAh
Run Time	Standby	90m
	Recording (Max Rate)	60m
Charge Time	Powered Off	90m
DC Input Voltage	Operation	12-26V
	Charging to 100%	14-26h
Power Consumption	Standby	15W
	Recording (Max Rate)	19W
	Charging (Max)	24W
--- Interface ---		
DC Input	-	Barrel Jack 5.5mm OD x 2.1mm ID
HDMI Output	-	HDMI A (Full Size) 1080p/60fps
GPIO	-	6-Pin JST Connector Optically Isolated Start/Stop/Sync UART (3.3V or 5.0V) A/B
USB	-	Type C (Reversible) USB 3.2 Gen1 SuperSpeed 5Gbps
Wireless	-	WiFi 802.11b/g/n (Note 1) Bluetooth v4.2 (Note 2)
--- Wave Player Software ---		
Operating System		Windows 7 or later
		Camera-Native ProRes (Note 3)

Export Formats		CineForm (Note 1) PNG Sequences JPEG Sequences
--- Other Features ---		
Firmware Update	-	via USB-C
Upgradeable Storage	-	Yes
LCD	-	No
Audio Recording	-	No
Autofocus	-	No
--- Physical ---		
Dimensions	w/ E-mount	150mm x 97mm x 47mm
Weight	w/ E-mount	710g
Mounting Points	1/4-20	2: 1x Top, 1x Bottom
	M3	8: 2x per Side
--- Environmental ---		
Operating Temperature	-	0°C to 40°C
Ingress Protection	-	IP54

Note 1: Hardware capability, API details TBD.

Note 2: Hardware capability, no software support or mobile app available as of this release.

Note 3: Only available on Wave Player Mac and iPad.

Note 4: Only available on Wave Player Windows.