

Rhythm 1

Designed for SONY ILX-LR1



3-Axis payload, 2-Optical sensors mapping camera

High-Precision 6-Axis MEMS MotionTracking® IMU

Designed for SONY ILX-LR1

61M pixel FF Exmor R™ CMOS

Support 25/35/50mm lenses with E-mount

Support geo-tag processed recorded file

Embedded with Nvidia Xavier NX edge AI computer

Inspection



Mapping



Photography



Specifications

Weight(without lens)	700g
Size(without lens)	156*120*169mm
IP rating	IP44
Power input	24V, 10W to 24W
Operating Temperature	-10°C to 50°C
Gimbal control range	Pitch: -90° to +20° Pan: 360° limitless
Mount type	P-Mount
Min control accuracy	1°
Angel control accuracy	±0.01°
Geo-tag	Support
Protocol	MAVLINK 2.0

Edge computing performance

SOM	Nvidia Xavier NX 16G
AI performance	21 TOPS (INT8)
GPU	384-core NVIDIA Volta™ GPU with 48 Tensor Cores
GPU Max Freq	1100 MHz
CPU	6-core NVIDIA Carmel ARM®v8.2 64-bit CPU 6MB L2 + 4MB L3
CPU Max Freq	2-core @ 1900MHz 4/6-core @ 1400Mhz
Memory	8GB 128-bit LPDDR4x @ 1600 MHz 51.2GB/s
Storage	16 GB eMMC 5.1

Camera

Sensor	35mm FF(35.7x23.8mm) Exmor R CMOS
Number of pixels (effective)	Still images: Approx. 61.0 megapixels max Movies: Approx. 50.8 megapixels max
Camera type	Interchangeable lens digital camera
Lens mount	E-mount
Supported Lenses	25mm, 35mm, 50mm
Operating temperature	0°C to 40°C/32-104°F