NANO1-2K

Mini Action Camera

Overview

NANO1-2K features a high-performance CMOS 1/2.8" image sensor that can capture photos of up to 5 MP and video of up to 2.5K@30FPS with a pixel size of 2.0μm x 2.0μm. Ehanced by WDR,the dynamic range is greatly improved.

Photos

Specifications

General

Size:	36×36×27 mm
Waterproof degree:	1 meter without waterproof case (IP67)
Microphone:	Yes
Weight:	60 g

Camera

Image sensor:	1/2.8 inch CMOS	
FOV:	129°	
Aperture:	f/2.4	
Equivalent Focal Length:	20 mm	
Focus Range:	0.5 m to ∞	
ISO Range:	100-3200	
Shutter Speed:	Photo:	1/8000 to 16 s
	Video:	1/8000 s to the limit of frames per second
Max Photo Resolution:	2592×1944	
Digital Zoom:	4X	
Single Photo:	5 MP	
Countdown :	Off /3/5/7 s	
Regular Video:	2.5K (16:9):	2592×1944 @ 24/25/30fps
	1080p (16:9):	1920×1080 @ 24/25/30/48/50/60fps
	720P(16:9):	1280×720 @ 60fps
Slow Motion Video:	No	
Timelapse:	Yes	
Timelapse Resolution:	2.5K/1080p/720P	
Timelapse Intervals:	1/2/3/4/5/6/7/8/10/13/15/20/25/30/40/60 s	
Timelapse Duration:	1/3/5/10/20/30 minutes，1/2/3/5 hours，∞	
Stabilization:	EIS	

(EIS is not supported in slow motion and timelapse mode.)

Max Video Bitrate :	100 Mbps
Supported File Formats:	FAT32
Photo Format :	JPEG
Video Format :	MP4 (H.264)
Audio Output :	48 kHz；AAC
Supported Storage Card Type:	MicroSD (Storage capacity of up to 512GB)

Recommended MicroSD :	Samsung EVO 128GB UHS-I Speed Grade 3 microSDHC Samsung EVO Plus 128GB UHS-I Speed Grade 3 microSDXC SanDisk Extreme 64GB V30 A2 UHS-I Speed Grade 3 microSDXC SanDisk Extreme Pro 32GB UHS-I Speed Grade 3 microSDXC SanDisk Extreme 16GB UHS-I Speed Grade 3 microSDXC Lexar 1066x 64GB UHS-I Speed Grade 3 microSDHC Kingston Canvas React Plus 64GB UHS-II Speed Grade 3 microSD Kingston Canvas Go!Plus 64GB UHS-I Speed Grade 3 microSD

Battery

Type:	LiPo 2S
Capacity:	500 mAh
Energy:	1.85 Wh
Voltage:	4.2 V
Operating Temperature:	-10°C to 40°C
Working Temperature:	-10°C to 40°C
Operating Time:	110 minutes in 2.5K 150 minutes in low power mode Tested in a laboratory environment while recording 1080p/30fps (Power Reserve) video with electronic image stabilization disabled. This figure should be used for reference only

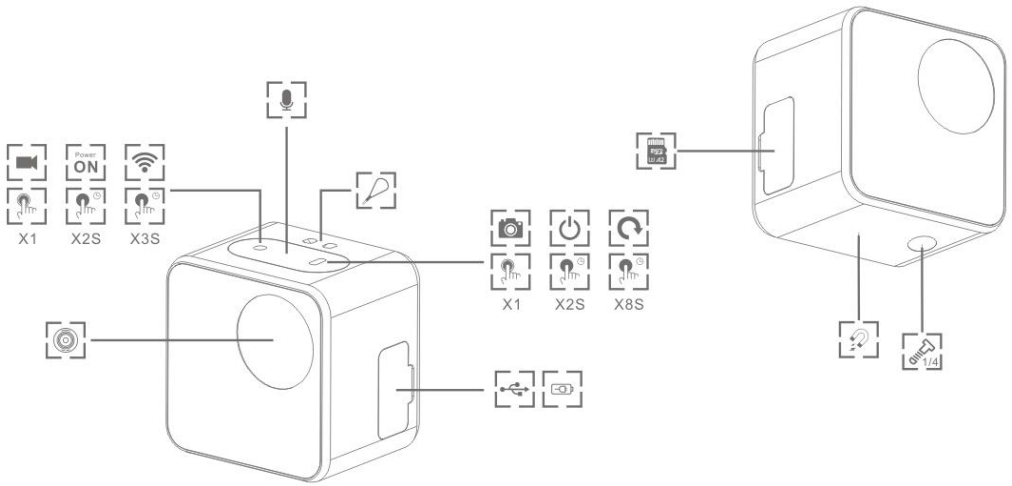
Connection

Wi-Fi Frequency Range:	2.400-2.4835 GHz
Wi-Fi Protocol:	802.11 b/g/n

Descriptions of Port Functions

The USB port of NANO1-2K supports charging with 5V of electricity and audio input from an optional external mic. You can connect NANO1-5M to a PC with a USB cable and click the " " button to turn it into a webcam. From there, you can take photos and record videos with the built-in camera features in Windows 10. A MicroSD card with preloaded configuration file can be put into the card slot to override the settings of the camera. With the magnetic design, the camera can be attached to a magnetic mount (which must be purchased separately).

Product Diagram



Button：

Press it to enter photo mode. It will automatically shut down after the photo is taken.

Press and hold it for 2 seconds to power on the camera and enter video mode by default.

Press and hold it for 8 seconds to restart the camera (during downtime).

In video mode, press it to switch to photo mode and take one photo.

Button：

Press it to immediately starting shooting video. Press it again to stop recording and power off the camera.

Press it and hold it for 3 seconds tor power on the camera and enter the video mode by default.

When the camera is powered on, press it to record video. Press it again to stop recording.

When the camera is powered on, press and hold it for 3 seconds to turn on or off the Wi-Fi.

Descriptions of status LED

LED	LED status	Descriptions	Camera status
		Solid red	Charging
		Solid green	Charging completed
		Solid red	Video mode
		Blinking red	Recording
		Solid green	Photo mode
		Blinking green	Taking photos
		Blinking blue	WiFi on
		Solid blue	WiFi connected
		Blinking yellow	No SD card

Description of vibiration alarm

Buttons	Camera status	Operation	Vibration frequency
	Powering on	Press & hold it 2 seconds	
	Taking a photo	Press quickly	
	Restarting	Press & hold it for 8 secons (during downtime)	
	Powering off	Press & hold it for 3 seconds	
	Powering on	Press & hold it for 2 seconds	
	Recording	Press quickly	
	Stop recording	Press quickly	
	WiFi on	Press & hold it for 3 seconds	
	WiFi off	Press & hold it for 3 seconds	