

EVO Nano Series Specification		
Aircraft	Takeoff weight	249g
	Dimensions (including blades)	Folded: 142×94×55mm Unfolded: 260×325×55mm
	Wheelbase	231mm
	Max ascent speed	5m/s (sport), 4m/s (standard), 3m/s (smooth)
	Max descent speed	4m/s (sport), 3m/s (standard), 2m/s (smooth)
	Max level flight speed(no wind)	15m/s (sport), 10m/s (standard), 5m/s (smooth)
	Max takeoff altitude	4000m
	Max flight time (no wind)	28min
	Max hovering time (no wind)	26min
	Max flight distance (no wind)	16.8km
	Max wind resistance	Level 5
	Max tilt angle	33° (sport), 25° (standard), 25° (smooth)
	Max angular velocity	200° (sport), 120° (standard), 60° (smooth)
	Operating temperature	0° C ~ 40° C
	Operating frequency	2.400-2.4835GHz, 5.725-5.850GHz, 5.150-5.250GHz
	Transmission power (EIRP)	FCC: ≤30dBm; CE: ≤20dBm
	GNSS	GPS, GLONASS, Galileo
Hovering accuracy	Vertical: ±0.1m (when the visual positioning is active), ±0.5m (with GPS positioning); Horizontal: ±0.3m (when the visual	
Gimbal	Mechanical range	Pitch: -125° ~ 35° Roll: -34° ~ 33°
	Controllable range	Pitch: -90° ~ 0°
	Stabilization	3-axis
	Max control speed (pitch)	30° /s
	Angular vibration range	±0.003°
Perception system	Forward	Accurate measurement range: 0.5~16m Effective sensing speed: <10m/s
	Backward	Accurate measurement range: 0.5~18m Effective sensing speed: <12m/s
	Downward	Accurate measurement range: 0.5~20m Visual hovering range: 0.5~40m FOV: Horizontal<40°, Vertical<30°
	Operating environment	Forward, backward: Surface with clear pattern and adequate lighting(lux> 15)
Camera (Nano)	Sensor	CMOS: 1/2 inch Effective pixels: 48M Pixel size: 1.6 μm*1.6 μm (Bin2)
	Lens	FOV: 84° Equivalent focal length: 24mm
	Shooting mode	Automatic mode (P gear): EV adjustable, ISO/Shutter automatic Manual mode (M gear): ISO/Shutter adjustable, EV not adjustable
	ISO range	Video: ISO100 ~ ISO3200 Photo: ISO100 ~ ISO3200
	Shutter speed	Photo Mode: 1/8000 ~ 8s Other: 1/8000 ~ 1/frame rates
	Portrait blur	Real-time image transmission portrait blur and photo portrait blur
	Defog mode	Support
	Zoom range	Digital zoom: 1 ~ 16 times
	Photo format	JPG(8-bit) / DNG(10-bit) / JPG+DNG
	Photo resolution	48MP: 8000x6000 (4:3) 12MP (default) : 4000x3000 (4:3)
	Photo shooting mode	Single shot Burst shooting: 3/5
	Video coding format	H265/H264

	Video resolution	3840x2160 p30/25/24 2720x1528 p30/25/24
	Max bitrate	100Mbps
	Timelapse	Original image:3840*2160, JPG/DNG Video: 4K P25
	Panorama	Horizontal/Vertical/Wide-angle/Spherical Original image: 4000*3000, JPG/DNG
	Supported file system	Fat32、exFat
	Video format	MP4/MOV(8-bit)
	WIFI transfer	20MB/s
Camera (Nano+)	Sensor	CMOS: 1/1.28 inch Effective pixels: 50MP
	Lens	FOV: 85° Equivalent focal length: 23mm
	Shooting mode	Automatic mode (P gear): EV adjustable, ISO/Shutter automatic Manual mode (M gear): ISO/Shutter adjustable, EV not adjustable
	ISO range	Video: ISO100 ~ ISO6400 Photo: ISO100 ~ ISO6400
	Shutter speed	Photo Mode: 1/8000 ~ 8s Other: 1/8000 ~ 1/frame rates
	Portrait blur	Real-time image transmission portrait blur and photo portrait blur
	Defog mode	Support
	Zoom range	Digital zoom: 1 ~ 16 times
	Photo format	JPG(8-bit) / DNG(10-bit) / JPG+DNG
	Photo resolution	50MP: 8192x6144 (4:3) 12.5MP (default) : 4096x3072 (4:3)
	Photo shooting mode	Single shot Burst shooting: 3/5
	Video coding format	H265/H264
	Video resolution	3840x2160 p30/25/24 2720x1528 p30/25/24
	Max bitrate	100Mbps
	Timelapse	Original image: 3840*2160, JPG/DNG Video: 4K P25
	Panorama	Horizontal/Vertical/Wide-angle/Spherical Original image: 4096*3072, JPG/DNG
	Supported file system	Fat32、exFat
	Video format	MP4/MOV(8-bit)
	WIFI transfer	20MB/s
	Remote controller and image transmission	Operating frequency
Max transmission distance		FCC: 10km; CE: 5km
Operating temperature		0° C ~40° C
Transmission power (EIRP)		FCC: ≤30dBm; CE: ≤20dBm
Battery capacity		3930mAh
Max battery life		~ 2h (when charging a mobile phone) ~ 3h (when not charging to mobile phone)
Interface type		Type C
Transmission system		Autel SkyLink
Realtime transmission quality		Transmission distance<1km: 2.7K 30fps Transmission distance>1km: 1080P 30fps
Transmission bitrate		90Mbps
Transmission delay	≤200ms	
Adapter	Input	100-240V/50-60HZ
	Output	5V 3A, 9V 3A, 12V 2.5A
	Rated power	30W
	capacity	2250mAh

Aircraft battery	Voltage	7.7V
	Max charging voltage	8.8V
	Battery Type	Li-Po 2S
	Energy	17.32Wh
	Charging temperature	5~45°C
	Single battery charging time	90min
	Max charging power	30W
App	Mobile App	Autel Sky
	Mobile system required	iOS 13.0 and above Android 6.0 and above
Storage	Built-in storage	No
	SD storage	max. support 256GB (UHS-3 rating required)