参数表过长，无法完全显示，请参照链接：

<https://www.autelpilot.com/collections/evo-nano-plus-drones/products/autel-robotics-evo-nano-plus-drone?variant=39550148968494>

|  |  |
| --- | --- |
| ****Takeoff Weight(without Accessories)**** | 249g |
| ****Dimensions(including blades)**** | Folded: 140×90×50mmUnfolded: 264×310×50mm |
| ****Wheelbase**** | 231mm |
| ****Max Ascent Speed/strong>**** | 6m/s (sport), 4m/s (normal), 3m/s (stable) |
| ****Max Level Flight Speed**** | 4m/s (sport), 3m/s (normal), 2m/s (stable) |
| ****Max Level Flight Speed(no wind, near sea level)**** | 13m/s (sport), 10m/s (normal), 5m/s (stable) |
| ****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°(movement), 25°(normal), 25°(stable) |
| ****Max Angular Velocity**** | 200°(movement), 120°(normal), 60°(stable) |
| ****Operating Temperature**** | -10°C ~ 40°C |
| ****Transmission Power (EIRP)**** | FCC:≤30dBm |
| ****GNSS**** | GPS |
| ****Hovering Accuracy**** | Vertical:±0.1m (when the visual positioning is active), ±0.5m (with GPS positioning);Horizontal:±0.3m (when the visual positioning is active), ±1.5m (with GPS positioning); |
| ****Built-in storage**** | No |
| ****SD storage**** | Max. support 256GB（UHS-3 rating required） |

#### **Nano Aircraft**

#### **Gimbal**

|  |  |
| --- | --- |
| ****Stabilization**** | 3-axis |
| ****Mechanical Range**** | Pitch: -125°~35°Roll: -34°~33°Yaw: -25°~25° |
| ****Controllable Range**** | Pitch: -90°~ 0° |
| ****Max Control Speed (pitch)**** | 30°/s |
| ****Angular Vibration Range**** | ±0.003° |

#### **Perception System**

|  |  |
| --- | --- |
| ****Forward**** | Accurate measurement range：0.5~16mEffective sensing speed：<10m/sFOV：Horizontal<40°,Vertical<30° |
| ****Backward**** | Accurate measurement range：0.5~18mEffective sensing speed：<12m/sFOV：Horizontal<40°,Vertical<30° |
| ****Downward**** | Accurate measurement range：0.5~20mVisual hovering range：0.5~40mFOV：Horizontal<40°,Vertical<30° |
| ****Operating environment**** | Forward, backward:Surface with clear pattern and adequate lighting(lux> 15)Downward:Surface with clear pattern and adequate lighting(lux> 15);Detects diffuse reflective surfaces(>20%) (walls, trees, people, etc.) |

#### **Camera**

|  |  |  |
| --- | --- | --- |
|  | **EVO Nano** | **EVO Nano+** |
| ****Sensor**** | CMOS：1/2 inch;Effective pixels：48MPixel size：1.6μm\*1.6μm（Bin2） | CMOS：1/1.28 inchEffective pixels：50MPPixel size: 2.44μm\*2.44μm (Bin2) |
| ****Lens**** | FOV：84°Equivalent focal length：24mmAperture：f/2.8Focus range：1m ~ ∞Focus mode: fixed focus | FOV: 85°Equivalent focal length: 23mmAperture: f/1.9Focus range: 0.5m ~ ∞Focus mode:：PDAF+CDAF/MF |
| ****Shooting mode**** | Automatic mode (P gear): EV adjustable, ISO/Shutter automaticManual mode (M gear): ISO/Shutter adjustable, EV not adjustableShutter priority (S file): Shutter/EV adjustable, ISO automatic | Automatic mode (P gear): EV adjustable, ISO/Shutter automaticManual mode (M gear): ISO/Shutter adjustable, EV not adjustableShutter priority (S file): Shutter/EV adjustable, ISO automatic |
| ****ISO range**** | Video：ISO100 ~ ISO3200Photo：ISO100 ~ ISO3200 | Video：ISO100 ~ ISO6400Photo：ISO100 ~ ISO6400 |
| ****Shutter speed**** | Photo Mode：1/8000 ~ 8sOther：1/8000 ~ 1/frame rates | Photo Mode：1/8000 ~ 8sOther：1/8000 ~ 1/frame rates |
| ****Portrait blur**** | Real-time image transmission portrait blur and photo portrait blur | Real-time image transmission portrait blur and photo portrait blur |
| ****Defog mode**** | Support | Support |
| ****Zoom Range**** | Digital zoom：1 ~ 16 times | Digital zoom：1 ~ 16 times |
| ****Photo format**** | JPG / DNG / JPG+DNG | JPG / DNG / JPG+DNG |
| ****Photo resolution**** | 48MP：8000x6000（4:3）12MP（default）：4000x3000（4:3）4K：3840x2160（16:9） | 50MP：8192x6144（4:3）12.5MP（default）：4096x3072（4:3）4K：3840x2160（16:9） |
| ****Photo shooting mode**** | Single shotBurst shooting: 3/5Auto exposure bracketing(AEB): 3/5 shotsInterval: 2s/3s/4s/5s (default)/6s/.../60s (DNG min 5s)HDR imaging: 3840x2160 | Single shotBurst shooing: 3/5Auto exposure bracketing(AEB): 3/5 shotsInterval: 2s/3s/4s/5s (default)/6s/.../60s (DNG min 5s)HDR imaging: 3840x2160 |
| ****Video coding format**** | H265/H264 | H265/H264 |
| ****Video resolution**** | 3840x2160 p30/25/242720x1528 p30/25/241920x1080 p60/50/48/30/25/24 | 3840x2160 p30/25/242720x1528 p30/25/241920x1080 p60/50/48/30/25/24 |
| ****Max bitrate**** | 100Mbps | 100Mbps |
| ****Timelapse**** | Original image:3840\*2160，JPG/DNGVideo: 4K P25 | Original image:3840\*2160，JPG/DNGVideo: 4K P25 |
| ****Panorama**** | Horizontal/Vertical/Wide-angle/SphericalOriginal image: 4000\*3000, JPG/DNG | Horizontal/Vertical/Wide-angle/SphericalOriginal image: 4096\*3072, JPG/DNG |
| ****Supported file system**** | Fat32、exFat | Fat32、exFat |
| ****Video format**** | MP4/MOV | MP4/MOV |
| ****WIFI transfer**** | 20MB/s | 20MB/s |

#### **Remote controllor and image transmission**

|  |  |
| --- | --- |
| ****Operating frequency**** | 2.400-2.4835GHz5.725-5.850GHz5.150-5.250GHz |
| ****Backward**** | Accurate measurement range：0.5~18mEffective sensing speed：<12m/sFOV： Horizontal<40°, Vertical<30° |
| ****Max transmission distance(unobstructed, free of interference)**** | FCC：10km |
| ****Operating temperature**** | 0°C ~40°C |
| ****Transmission power (EIRP)**** | FCC：≤30dBm |
| ****Battery capacity**** | 3930mAh |
| ****Max battery life**** | ~ 3.5h (when connected to a mobile phone)~ 2.5h (when not connected to mobile phone) |
| ****Interface type**** | Type C |
| ****Transmission system**** | Autel SkyLink |
| ****Realtime transmission quality**** | Transmission distance<1km：2.7K 30fpsTransmission distance>1km：720P 30fps |
| ****Transmission bitrate**** | 90Mbps |
| ****Transmission delay**** | ≤200ms |

#### **Adapter**

|  |  |
| --- | --- |
| ****Input**** | 100-240V/50-60HZ |
| ****Output**** | 5V==3A,9V⎓==A,12V==2.5A |
| ****Rated power**** | 30W |

#### **Aircraft Battery**

|  |  |
| --- | --- |
| ****Capacity**** | 2250mAh |
| ****Voltage**** | 7.7V |
| ****Max charging voltage**** | 8.8V |
| ****Battery Type**** | Li-Po 2S |
| ****Energy**** | 17.32Wh |
| ****Charging temperature**** | 5~45℃ |
| ****Single battery charging time**** | 90min |
| ****Max charging power**** | 30W |

#### **App**

|  |  |
| --- | --- |
| ****Mobile App**** | Autel Sky |
| ****Mobile system required**** | iOS 12.0 and aboveAndroid 8.0 and above |