**Aircraft**

* Dimensions
  + (unfolded, excl. propellers)
  + 470×585×215 mm (L×W×H)
* Dimensions (folded)
  + 365×215×195 mm (L×W×H)
* Diagonal Wheelbase
  + 668 mm
* Weight (incl. two batteries)
  + 3770 ± 10 g
* Max Take-off Weight
  + 4069 g
* Max Take-off Weight for C2 Certification in EU
  + 3998 g
* Operation Frequency
  + 2.4000-2.4835 GHz; 5.725-5.850 GHz
* Transmitter Power (EIRP)
  + 2.4 GHz: <33 dBm (FCC); <20 dBm (CE/SRRC/MIC)
  + 5.8 GHz: <33 dBm (FCC/SRRC); <14 dBm (CE)
* Hovering Accuracy (windless or breezy)
  + Vertical: ±0.1 m (Vision System enabled); ±0.5 m (N-mode with GPS); ±0.1 m (RTK)
  + Horizontal: ±0.3 m (Vision System enabled); ±1.5 m (N-mode with GPS); ±0.1 m (RTK)
* RTK Positioning Accuracy (fixed RTK enabled)
  + 1 cm+1 ppm (horizontal)
  + 1.5 cm+1 ppm (vertical)
* Max Angular Velocity
  + Pitch: 150°/sec.; Yaw: 100°/sec.
* Max Pitch Angle
  + 35° (N-mode and Forward Vision System enabled: 25°)
* Max Ascent/Descent Speed
  + 6 m/s, 5 m/s
* Max Tilt Descent Speed
  + 7 m/s
* Max Horizontal Speed
  + 23 m/s
* Max Service Ceiling Above Sea Level (without other payload)
  + 5,000 m (with 1671 propellers)
  + 7,000 m (with 1676 propellers)
* Max Wind Resistance
  + 12 m/s
* Max Hover Time [2]
  + 36 min
* Max Flight Time[2]
  + 41 min
* Motor Model
  + 3511
* Propeller Model
  + 1671
* Ingress Protection Rating
  + IP55
* GNSS
  + GPS+Galileo+BeiDou+GLONASS
  + (GLONASS is supported only when RTK module is enabled)
* Operating Temperature
  + -20° to 50° C (-4° to 122° F)

**Gimbal**

* Angular Vibration Range
  + ±0.01°
* Controllable Range
  + Pan: ±90°
  + Tilt: -120° to +45°
* Mechanical Range
  + Pan: ±105°
  + Tilt: -135° to +60°
  + Roll: ±45°

**Zoom Camera**

* Sensor
  + 1/2" CMOS, Effective pixels: 48M
* Lens
  + Focal length: 21-75 mm (equivalent: 113-405 mm)
  + Aperture: f/2.8-f/4.2
  + Focus: 5 m to ∞
* Exposure Compensation
  + ±3 ev (using 1/3 ev as step length)
* Electronic Shutter Speed
  + Auto Mode:
    - Photo: 1/8000-1/2 s
    - Video: 1/8000-1/30 s
  + M Mode:
    - Photo: 1/8000-8 s
    - Video: 1/8000 -1/30 s
* ISO Range
  + 100-25600
* Max. Video Resolution
  + 3840×2160
* Max Photo Size
  + 8000×6000

**Wide Camera**

* Sensor
  + 1/2" CMOS, Effective pixels: 12M
* Lens
  + DFOV: 84°
  + Focal length: 4.5 mm (equivalent: 24 mm)
  + Aperture: f/2.8
  + Focus: 1 m to ∞
* Exposure Compensation
  + ±3 ev (using 1/3 ev as step length)
* Electronic Shutter Speed
  + Auto Mode:
    - Photo: 1/8000-1/2 s
    - Video: 1/8000-1/30 s
  + M Mode:
    - Photo: 1/8000-8 s
    - Video: 1/8000-1/30 s
* ISO Range
  + 100-25600
* Max. Video Resolution
  + 3840×2160
* Photo Size
  + 4000×3000

**Thermal Camera**

* Thermal Imager
  + Uncooled VOx Microbolometer
* Lens
  + DFOV: 61°
  + Focal length: 9.1 mm (equivalent: 40 mm)
  + Aperture: f/1.0
  + Focus: 5 m to ∞
* Noise Equivalent Temperature Difference (NETD)
  + ≤50 mK@F1.0
* Infrared Temperature Measurement Accuracy[4]
  + ±2°C or ±2% (using the larger value)
* Video Resolution
  + Infrared Image Super-resolution Mode: 1280×1024
  + Normal Mode: 640×512
* Photo Size
  + Infrared Image Super-resolution Mode: 1280×1024
  + Normal Mode: 640×512
* Pixel Pitch
  + 12 um
* Temperature Measurement Method
  + Spot Meter, Area Measurement
* Temperature Measurement Range
  + High Gain Mode: -20° to 150° C (-4° to 302° F)
  + Low Gain Mode: 0° to 500° C (32° to 932° F)
* Temperature Alert
  + Supported
* Palette
  + White Hot/Black Hot/Tint/Iron Red/Hot
  + Iron/Arctic/Medical/Fulgurite/Rainbow 1/Rainbow 2

**FPV Camera**

* Resolution
  + 1920×1080
* DFOV
  + 161°
* Frame Rate
  + 30 fps

**Laser Module**

* Wavelength
  + 905 nm
* Max Laser Power
  + 3.5 mW
* Single Pulse Width
  + 6 ns
* Measurement Accuracy
  + ± (0.2 m + D×0.15%)
  + D is the distance to a vertical surface
* Measuring Range
  + 3-1,200 m (0.5×12 m vertical surface with 20% reflectivity)
* Safety Regulation Level
  + Class 1M
* Accessible Emission Limit (AEL)
  + 304.8 nJ
* Reference Aperture
  + 18mm length, 18mm width (20.3mm diameter if equivalent to circular)
* Max Laser Pulse Emission Power Within 5 Nanoseconds
  + 60.96 W

**Vision Systems**

* Obstacle Sensing Range
  + Forward: 0.6-38 m
  + Upward/Downward/Backward/Sideward: 0.5-33 m
* FOV
  + 65° (H), 50° (V)
* Operating Environment
  + Surfaces with clear patterns and adequate lighting (> 15 lux)

**Infrared Sensing Systems**

* Obstacle Sensing Range
  + to 10 m
* FOV
  + 30°
* Operating Environment
  + Large, diffuse, and reflective obstacles (reflectivity >10%)