

| | | |
|---------------------------|--|---|
| Technical Parameters | | JK-MT3 |
| | Product image |  |
| | airplane | |
| | Takeoff weight | JK-MT3: 960g |
| | ruleinch | Folded: length 240 mm, width 136 mm, height 1 01 mm Unfolded: length 383 mm, width 270 mm, height 101 mm |
| | Maximum ascent speed | 8m/s |
| | Maximum descent | 6m/s |
| | speed Maximum level flight Speed (near sea level, no wind) | 20m/s |
| | Maximum take-off altitude | 6000m |
| | Maximum flight time | 45 minutes |
| | Maximum hover time | 40 minutes |
| | Maximum signal effective value Distance (no interference, no obstruction) | Face-centered cubic: 15 km CE: 8 km SRRC: 8 km MIC: 8 km The above data is measured under open, non-interference and barrier-free conditions. Outdoor environment, represents their maximum one-way communication There is no return flight under each standard. Please pay attention to the return notice on the APEXFly APP during the actual flight. |
| | Maximum wind speed | 12m/s |
| | Operating temperature | -4ÿ to 40ÿ |
| | Satellite navigation system | GPS+ GLONASS+ Bei Dou |
| | Hovering accuracy | vertical: ±0.1m (when vision positioning works normally)Horizontal: ±0.3m (when visual positioning works normally) ±0.5m (when the high-precision positioning system is working properly) |
| Thermal Energy Imaging | | |
| | Thermal imaging sensor type | Uncooled Vanadium Oxide (VO x) |
| | Frame rate | ÿ25Hz |
| | lens | FOV: 40°, Aperture: F1.2 |
| | Sensitivity | ÿ50mK@25ÿ,F#1.0 |
| | | Temperature measurement range -15ÿ to 150ÿ (high gain mode), 50ÿ to 550ÿ (low gain mode) |

| | | |
|--------|---|--|
| | Color Palette | White/false color |
| | Photo Format | Joint Photographic Experts Group |
| | Video resolution | 640x480@ 25 fps |
| | Video bitrate | 10Mbps |
| | Video Format | MP4 (H.265) |
| | Photo shooting mode | Single shot: 1280x720 |
| | Digital zoom | 4x |
| | Infrared temperature measurement accuracy | ±2℃ or±2% |
| camera | | |
| | Image Sensor | Wide-angle lens: 1/2 CMOS, effective pixels: 48 million pixels |
| | lens | Field of view: 80° Equivalent focal length: 2.5 mm Aperture: F1.7, Focus range: 10m to ∞ |
| | ISO Range | Video: 50 to 6400 Photos: 50 to 6,400 |
| | Shutter speed | Electronic shutter: 2 seconds to 1/8000 seconds |
| | Maximum photo resolution | 5700x3200 |
| | Image Format | Joint Photographic Experts Group |
| | Photo shooting modes and parameters | Single shot: 18 Megapixels Low-light smart photography: 18 megapixels |
| | Video resolution | H.265 4K:3840x2160@25fpsF HD:1920x1080@50fps |
| | Video Format | MP4 (H.265) |
| | Maximum video bitrate | Wide-angle camera 4K: 40 MbpsFHD: 40 Mbps |
| | Supported file systems | Fat 32 |

| | | |
|--------------------|-------------------------------|---|
| | Digital zoom | Wide-angle lens: 56x zoom |
| Pentylene-tetrazol | | |
| | Stabilizing the system | Three-axis mechanical Gimbal (pitch, roll, yaw) |
| | Structural design scope | "Pitch: -135° to 45° Roll-off: -45° to 45° Yaw:-80° to80°" |
| | Controllable rotation range | "Pitch angle: -90° to 35° Roll angle: -5° to 5°" |
| | Maximum control speed (pitch) | 70°/s |
| | Angular vibration range | Hovering in No Wind: ±0.003°NormalMode: ±0.005°SportMode: ±0.008°" |
| Perception | | |
| | Perception system type | Omnidirectional binocular vision system, supplemented by an underbody mounted optical flow obstacle avoidance system. |
| | Forward-looking vision | "Distance measurement distance: 0.5m to 20m Detectable range: 0.5m to 200m Effective obstacle avoidance speed: Flight speed ÷15m/s Field of view (FOV): 90° horizontally, 103° vertically" |
| | Rearview | "Distance measurement distance: 0.5m to 16m Effective obstacle avoidance speed: Flight speed ÷ 12m/s Field of view (FOV): Horizontal 90°, Vertical 103°" |
| | Side View | "Distance measurement distance: 0.5m to 25m Effective obstacle avoidance speed: Flight speed ÷15m/s Field of view (FOV): 90° horizontally, 85° vertically" |
| | Upward Vision | "Distance measurement distance: 0.2m to 10m Effective obstacle avoidance speed: Flight speed ÷ 6m/s Field of view (FOV): Horizontal 100°, Vertical 90°" |
| | Downward Vision | "Distance measurement distance: 0.3m to 18m Effective obstacle avoidance speed: Flight speed ÷ 6m/s Field of view (FOV): Horizontal130°, Vertical160°" |
| | Effective working environment | Front, back, left, right, top: Surfaces with rich textures, sufficient lighting conditions (greater than 15lux, typical indoor daylight lighting). Below... The ground is rich in texture, the lighting conditions are sufficient (greater than 15lux, typical indoor daylight lighting), and the surface is a diffuse reflective material with a reflectivity greater than 20% (such as walls, trees, people, etc.). |

| | | |
|------------|--|--|
| ATC launch | | |
| machine | | |
| | Video transmission solution | Wi-Fi 6.0 |
| | Real-time video transmission quality | Remote control: Relay: 1080p |
| | Working frequency band | 5.725 GHz~ 5.850 GHz |
| | Transmit power (EI RP) | 5.8GHz: <26 dBm (face-centered cubic) |
| | Maximum effective signal distance (No interference, no obstruction) | Face-centered cubic: 15 km CE: 8 km SRRC: 8 km MIC: 8 km The above data were measured in an open outdoor environment. interference or obstruction. They represent the maximum The communication distance for each standard under flight, excluding return. Please note that during the actual flight, the APEXFly APP Return to prompt. |
| | Maximum download speed | Wi-Fi 6.0:80MB/s |
| | Minimum delay | 130 ms |
| | antenna | Two antennas, two transmitters, two receivers |
| Battery | | |
| | capacity | 5200 mAh |
| | Weight | 342 g |
| | Nominal voltage | 14.8V |
| | Current limiting voltage | 17 V |
| | Battery Type | Lithium-ion 4S |
| | energy | 77 Wh |
| | Charging environment temperature | 5ÿ~ 40ÿ |
| | Charging time | ÿ120 minutes |
| charger | | |
| | enter | 60W charger |
| | exit | 60W Charger: 17 volts, 3 amps. |
| | Rated Power | 60W charger 60W |
| Parts List | | |
| | Standard version | JK-MT3 Drone*1 JK-MT3 series 6.0-inch screen remote control *1 (language support: Chinese, English, Russian Belarusian) JK-MT3 FlightBatteries *2 Propeller (pair) *4 Portable charger*1 USB3.0 Type-C data cable*1 |