

EXT tof?	Read the tof value.	tof xxxx The unit of xxx is mm. It returns 8192 if the detection range is exceeded.
EXT version?	Read the firmware version of the open-source controller ESP32.	esp32vx.x.x.x

Note 1:
 The Motor-On mode is a new low-speed rotation state of TT propellers. Entering Motor-On mode indicates that the TT is ready for takeoff. At this time, the TT heat dissipation feature can be used to avoid shutdown caused by excessive temperatures. You can execute the "motoron" command to enable Motor-On mode only when the drone is in static standby status. After the drone takes off, it automatically exits Motor-On mode.

Note 2:
 m1-m8: the mission pad ID on the corresponding mission pad.
 m-1: the first mission pad identified by Tello's internal algorithm
 m-2: the mission pad nearest to Tello

Note 3:
 xxxx indicates a string consisting only of 'r', 'b', 'p', and '0'. 'r', 'b', 'p', and '0' indicate red, blue, purple, and off, respectively. The max string length is 64.
 For example: rrrbb0ppp indicates that lights 0 to 3 are red, lights 4 to 5 are blue, light 6 is off, and lights 7 to 9 are purple. If the length is less than 64, the unspecified LEDs will be off.

Tello State

Data type: String

Example"mid:%d;x:%d;y:%d;z:%d;mpry:%d,%d,%d;pitch:%d;roll:%d;yaw:%d;vgx:%d;vgy:%d;vgz:%d;templ:%d;temph:%d;tof:%d;h:%d;bat:%d;baro:%f;\n"

Description

- mid: the detected mission pad ID.
 If the mission pad detection function is not enabled, -2 is returned.
 If the detection function is enabled but no mission pad is detected, -1 is returned.
- x: the x-axis coordinate of the drone relative to the detected mission pad, in centimeters
 If the mission pad detection function is not enabled, -200 is returned.
 If the detection function is enabled but no mission pad is detected, -100 is returned.
- y: the y-axis coordinate of the drone relative to the detected mission pad, in centimeters
 If the mission pad detection function is not enabled, -200 is returned.
 If the detection function is enabled but no mission pad is detected, -100 is returned.

- **z**: the z-axis coordinate of the drone relative to the detected mission pad, in centimeters
If the mission pad detection function is not enabled, -200 is returned.
If the detection function is enabled but no mission pad is detected, -100 is returned.
- **mpzy**: Pitch, yaw and roll angles (in degrees) of the drone in the mission pad. If no mission pad is detected, 0 is returned.
- **pitch**: Pitch angle (in degrees)
- **roll**: Roll angle (in degrees)
- **yaw**: Yaw (in degrees)
- **vgx**: X-axis speed (dm/s)
- **vgy**: Y-axis speed (dm/s)
- **vgz**: Z-axis speed (dm/s)
- **templ**: The minimum temperature of the main board (°C)
- **temph**: The maximum temperature of the main board (°C)
- **tof**: ToF distance (cm)
- **h**: Height relative to take-off point (cm)
- **bat**: Percentage of current remaining battery capacity
- **baro**: Height detected by barometer (m)
- **time**: Motor running time (s)
- **agx**: X-axis acceleration (cm/s²)
- **agy**: Y-axis acceleration (cm/s²)
- **agz**: X-axis acceleration (cm/s²)

Mid Command Restrictions

Commands involving mid need to be used together with mission pads, and the go, curve, and jump commands can be used only when downward camera recognition is enabled. These commands include:

mon moff

mdirection x

go x y z speed mid

curve x1 y1 z1 x2 y2 z2 speed mid

jump x y z speed yaw mid1 mid2

Mission pad instructions for use can be downloaded from the official website.