



## **PROTECT AND CONSERVE**

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# **RAPTOR 10T**

**VANRAKSHAK**



**PRECISION. POWER. PERFORMANCE.**



# TECHNICAL SPECIFICATIONS



**4K Ultra HD** – resolution of 3840 x 2160 pixels

**8MP High-Resolution Sensor**

**6X Digital Zoom**

**Dual Sensor Technology**

**Gimbal Stabilization**

**Additional Payload – Thermal Camera :** Temperature Measuring Mode including Point Anywhere Measurement, Full Image Measurement, Selected Box Measurement

**Max Flight Time :** 50+ minutes

**VTOL :** Small

**Endurance :** Upto 55+ minutes

**Dimensions :** Less than 1000mm x 1000mm x 500mm

**Camera Resolution :** HD recording and 720p Live camera Transmission over Transmitter

**Height :** 500 meter at Maximum Height Surface

**Laptop Certification :** MIL- STD 810

**Remote Ground Controller :** 5.5 inch HD Touch Transmitter

**Operating system :** Android

**Ground Control Station (optional) :** Mini Laptop (mini laptop as required by customer)

**Channels for Transmitter :** 16 channels

**Battery Life for Transmitter :** 6 Hours

**UAV battery :** Lithium Ion based battery

**Battery Specifications :** Option 1 : 16000 mAh 6s 8C+ battery Option 2 : 22000 mAh 6s 8C+ battery

**Horizontal Speed of UAV :** Upto 16m/sec

**Ascend Speed of UAV :** 5 m/sec

**Athermalization**

**Wavelength Range :** 8 ~ 14 um

**Temperature Measuring Range :** High Gain: -20 ~ +150°C

**Category of UAV :** VTOL Multicopter

**Country of Origin :** India

**Operations Preferred :** Line Of Sight Operations, Beyond Visual Line of Sight operations only preferred in tested, unobstructed conditions

**Waypoint Navigation :** Waypoint Navigation available on Point touch mapping, Path follow Mapping, Circle, and Polygon Modes.

**Failsafe Features :** Return to Home, Return to Land, Battery Failsafe, Dead Reckoning, Low Voltage, Excessive Wind, Low GPS satellites.

**Thermal Sensor**

UNCOOLED VOX MICROBOLOMETER

**640 x 512**

THERMAL RESOLUTION

**4K**  
VIDEO RECORDING

**55+MINS**  
FLIGHT TIME

**<5KM**  
RANGE

**6X**  
DIGITAL ZOOM



**RAPTOR 10T**  
**VANRAKSHAK**

