



## **PROTECT AND CONSERVE**

### **CONTACT NO.**

**+(91) 9971121310, 9643415324**

### **EMAIL**

**sales@ascreations.in, kunal@ascreations.in**

### **WEBSITE**

**www.ascreations.in**

### **CORPORATE ADDRESS**

**A&S Creations**

**C-181, Sector -63, Noida, Uttar Pradesh 201301**



# **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



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