

Rajant teamed up with xCraft to provide a rugged, durable octo-copter that can fly both indoors and outdoors with extended flight time.

xCraft's **MATRIX R**, **powered with Rajant's DX2**, is a great choice for many commercial and industrial applications such as:

- Search and rescue
- Surveying and mapping
- Infrastructure and right-of-way inspection
- Tactical operations

xCraft partners with companies to **develop tailored applications** that **solve real-world problems**.



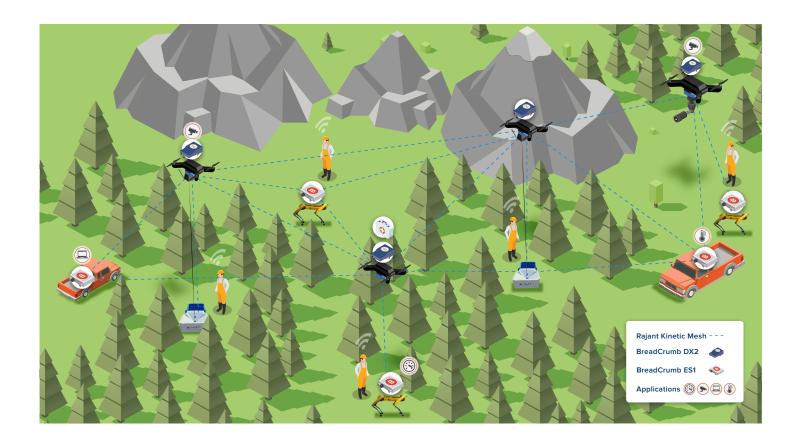


## Create a Network Where None Exists and Get Eyes in the Sky Instantaneously with the xCraft MATRIX R

The MATRIX R—a line-of-sight tactical drone with a flight time of more than 40 minutes and payload capacity of over four pounds—is powerful, efficient, and designed to meet your endurance and payload demands. This drone comes with an integrated Rajant InstaMesh® Breadcrumb® radio and a powerful 4K gimbaled camera with 3.5x zoom. Several optional payloads are available, including Velodyne LIDAR as well as thermal, IR, EO, and multispectral cameras.

An SUI controller and Android tablet are included with each MATRIX R package to provide powerful, comfortable flight control with real-time video streaming.





## **MATRIX R PACKAGE**

- MATRIX R X8 aircraft with Rajant BreadCrumb
- 4K camera with zoom
- Gimbal
- SUI controller
- Android tablet
- Two 1200 mAh batteries
- Battery charger
- Custom hard case
- User manual and quick start guide



### **OPTIONAL PAYLOADS**

- FLIR® Hadron™: RGB/thermal (EO/IR) camera
- NextVision Colibri: EO/IR stabilized camera,160g
- Micasense Altum: simultaneous thermal and multispectral imagery for agriculture
- Velodyne LIDAR: imaging through light detection and ranging



#### **SPECIFICATIONS**

#### **Drone**

Weight (without payload): 7.3 lb.

Payload: 4.4 lb.

**Propulsion:** 8 x 360W brushless DC motor

**Maximum Flight Time: 42 minutes** 

Included Camera: RGB 4K with 3.5X zoom Controller: SUI with MicroHard Datalink **Ground Control Software: QGroundControl** Radio Links: Rajant Kinetic Mesh, plus separate 2.4 GHz/5 GHz link for control and telemetry

Battery: 6S 2400 mAh

**Drone Dimensions:** 21 x 16 x 13 in. Hard Case Dimensions: 26 x 26 x 10 in.

## **Integrated Radio**

Crafted in 100% magnesium and weighing only 123g, the DX2 is Rajant's smallest and lightest BreadCrumb and is especially ideal for drones.

- 2.4GHz or 5GHz frequency options
- 2x2 MIMO operation
- 300Mbps raw data rate
- Refer to the DX2 spec sheet for details

## **HOW TO BUY**

MODEL: MATRIX X8 UAS with Rajant DX2

PART #: MTX-X81-001 MSRP: \$23,998 USD

SALES: sales@xcraft.io or 1-208-665-1353



Photo Credit: Rocky Mountain National Park

# Rajant Private Wireless Networks: **Powering Drones to Transform** the Safety and Efficiency of **Remote and Dangerous Operations**

The Rajant-equipped xCraft MATRIX R enables air-to-air and air-to-ground communication and can be seamlessly incorporated into an existing Rajant network to enable live-streaming and edge processing via aerial applications. Drone applications are applicable to all markets, including military, mining, oil & gas, utilities, public safety, agriculture, and many others.

Learn how the xCraft MATRIX R and Rajant's mission-critical, fully mobile Kinetic Mesh network can help you create a network where none has existed before. We will show you the benefits a drone or swarm network can bring to a jobsite. Visit xcraft.io or rajant.com to get started.

#### **About xCraft**

autonomous aircraft. xCraft won't rest until their technology becomes the industry standard. For more information, visit www.xcraft.io.

## **About Rajant Corporation**

Rajant develops novel wireless network technology that enables customers applications and data everywhere. For more information, visit www.rajant.com.