XCRAFT

POWERFUL AUTONOMY. NO TIME LIMITS.

Introducing the PANADRONE R

Autonomous Tethered Unmanned Aircraft System.

Create a Network at the Click of a Button with xCraft PANADRONE R

The PANADRONE R, a 400-foot tethered drone with virtually unlimited flight time, is powerful, fully automated, and deployed with the click of a button.

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 thermal, IR, EO, and multispectral cameras.

Flying up to a 400-foot altitude, the PANADRONE R can capture high-resolution video and serve as a mesh network node for maximum coverage. Video from the drone is relayed to the tablet via a secure Rajant Mesh connection. Simple controls allow the operator to change altitude, pan or tilt the camera, and initiate landing.

The nest is essentially a ground-based robot that houses a full automation system, tether power and control, HVAC, and precision landing beacon. The drone includes a backup battery to ensure a safe return if tether power is lost.
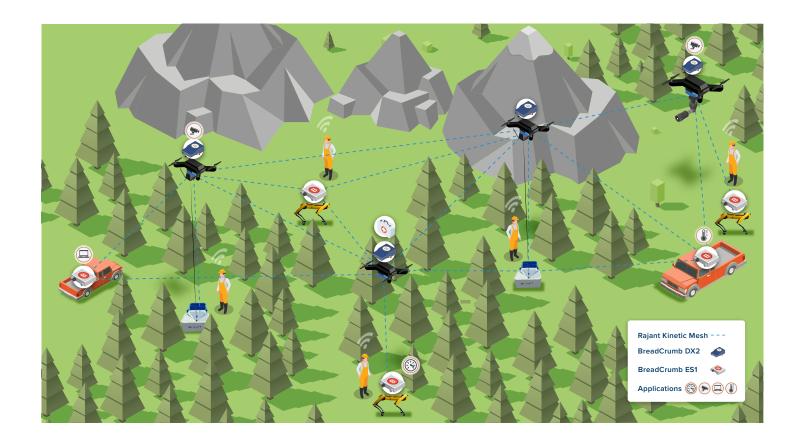
RAJANT

WE HAVE YOU COVERED

Rajant teamed up with xCraft to provide an **instant always-on network connection** at altitudes up to 400' to provide fixed network connectivity in **remote hard to reach areas.**

xCraft's **PANADRONE R, powered with Rajant's DX2,** is a great choice for applications requiring fully automated operation. With the push of a button, the drone is **deployed, takes flight, and captures video**. It automatically descends to home on command.

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

Rajant Kinetic Mesh - - -
BreadCrumb DX2
BreadCrumb ES1
Applications

PANADRONE R PACKAGE

- PANADRONE package with Rajant BreadCrumb
- PANADRONE climate-controlled nest
- 4K camera with zoom
- Gimbal
- Android tablet
- Custom hard carry case
- Two extra propeller sets
- User manual and quick start guide

XCRAFT

OPTIONAL PAYLOADS

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

FLIR

Velodyne
Velodyne LiDAR®

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 PANADRONE 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.

HOW TO BUY

MODEL: PANADRONE R complete system with Rajant DX2

PART #: PAN-PKG-001

MSRP: $53,890 USD

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

SPECIFICATIONS

Drone

Weight (without payload): 8.2 lb.

Dimensions: 21 x 16 x 13 in.

Payload: 4.2 lb.

Propulsion: 8 x 360W brushless DC motor

Camera Options: Zoom, thermal, IR, EO, or custom per user request

Drone Carry Case Dimensions: 26 x 26 x 15 in.

Backup Battery: 22.2V

Takeoff and Landing: Autonomous

Maximum Flight Time: Unlimited

Maximum Flight Altitude: 400ft AGL

Wind Resistance: Up to 20 MPH

Radio Links: Rajant Kinetic Mesh®, plus separate 2.4 GHz/5 GHz link for control and telemetry

Nest

Weight: 198 lb.

Dimensions: 36 x 47 x 28 in.

Input Power: 85 to 264 VAC, 1.2kW max

Flight Control Software: xCraft Web GCS

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

Learn how the xCraft PANADRONE R and Rajant's mission-critical, fully mobile Kinetic Mesh network can help you **create a network at the touch of a button. Visit xcraft.io or rajant.com** to get started.

About xCraft

xCraft Corpration is laser-focused on innovation in flight, developing powerful technology that can change the world. xCraft has developed patented technologies that have wide-spread applications in consumer drones, professional, military markets, and even human-carrying autonomous aircraft. xCraft won't rest until their technology becomes the industry standard. For more information, visit **www.xcraft.io.**

About Rajant Corporation

20+ YEARS OF GAME-CHANGING WIRELESS

Rajant develops novel wireless network technology that enables customers to rapidly deploy a highly adaptable and scalable network that leverages the power of real-time data to deliver on-demand, mission-critical business intelligence. Through Rajant's unequaled ability to turn mobile assets into network infrastructure, organizations are empowered to take private network applications and data everywhere. For more information, visit **www.rajant.com.**