



PRODUCT CATALOGUE

INDEX



MULTIROLE PORTABLE LIGHT
QUADCOPTER



MULTIPURPOSE
QUADCOPTER



HEAVY LIFT
QUADCOPTER



MINIDRONE FOR RESEARCH
QUADCOPTER



LIGHT DRONE FOR INDOOR APPLICATIONS
QUADCOPTER

XR₃



MULTIROLE PORTABLE LIGHT QUADCOPTER

DESIGNED AND CRAFTED IN ITALY

MAV
Tech
DRONES SOLUTIONS FOR BUSINESS

mavtech.eu

Dimensions: | 970x310x920 mm (LxHxW)
Dimensions (folded): | 360x170x250 mm (LxHxW)



MTOM: | 3,9 kg
Payload Weight: | Up to 0,8 kg



Maximum Speed: | 12 m/s (limited)
Endurance: | Up to 40 min

RGB camera
with zoom

Thermal
camera

Multispectral
camera

Very light
delivery system

Customized payloads
solutions on request

The RX3 drone is a compact, lightweight platform designed for high portability and rapid deployment. With a maximum takeoff weight of about 4 Kg and a foldable design, it is built for easy transport—even in a backpack—and quick flight preparation.

Its compact size and functional configuration make it particularly well-suited for surveying, inspection, monitoring, and surveillance tasks, especially where practicality, rapid response, and operational simplicity are key requirements.

The platform utilizes the standard payload connection system common to MAVTech drones, allowing for the quick swapping of cameras and sensors directly in the field without need of complex reconfigurations. Additionally, the RX3 can be customized through the development of payload solutions tailored to specific needs.

Q4X



MULTIPURPOSE QUADCOPTER

DESIGNED AND CRAFTED IN ITALY

Dimensions: 1.170x510x1.170 mm (LxHxW)
Dimensions (folded): 460x340x400 mm (LxHxW)

Q4X



Maximum Speed: 12 m/s (limited)
Endurance: Up to 50 min
Ceiling: 8.500 m*

MTOM: 14,9 kg
Payload Weight: Up to 6 kg

RGB camera with zoom,
Thermal camera,
Multispectral camera

OGI camera
(for optical gas
detection)

LiDAR
system

IMSI
Catcher

Light Delivery
system

Communication
systems and
radio relay bridges

Customized
payloads solutions
on request

Versatile and robust, Q4X is capable of operating in complex environmental conditions, including high-altitude environments and light rain. Developed for Search and Rescue missions in alpine environments, the system is suitable for a wide range of applications, from surveillance and inspection to monitoring, delivery, and surveying and data acquisition activities.

Its modular architecture combines high payload capacity with an extended operational range. The drone integrates a dual-antenna GNSS RTK system. Foldable arms and a removable landing gear simplify transport and field deployment. The payload connection system, shared across MAVTech platforms, enables the integration of a wide range of sensors and equipment, which can be quickly replaced in the field without complex reconfiguration procedures.

Q4X is also available in a tethered configuration, with continuous power supply from the ground, for missions requiring extended flight endurance of up to 24 hours. This configuration is particularly suitable for surveillance, monitoring applications, and the integration of communication systems and radio links.

M4X



HEAVY LIFT QUADCOPTER

DESIGNED AND CRAFTED IN EU

Dimensions: 2.375x730x2.334 mm (LxHxW)
Dimensions (folded): 580x730x800 mm (LxHxW)



MTOM: 63 kg
Payload Weight: Up to 35 kg

Maximum Speed: 10 m/s (limited)
Endurance: Up to 20 min

30 L agricultural
spraying system

40 L granular
distribution system

Delivery systems
with winch or dedicated
release mechanism

Large sensors for
surveying, monitoring,
and data acquisition

Customized payloads
solutions on request

The M4X drone offers a robust and versatile platform, designed to integrate high-weight and large-size payloads and adapt to different operational scenarios. The standard configuration includes RTK GPS, intelligent flight batteries, and a Flight Termination System. The foldable arms optimize transport and storage operations.

The M4X is designed for delivery operations, including the use of winches or dedicated release systems. Its high payload capacity also allows the integration of large sensors for surveying, monitoring, and data acquisition activities.

The platform can be reconfigured for precision agriculture applications, with systems for spraying and spreading. The patented tank, featuring anti-sloshing technology, limits liquid movement during flight, allowing drone stability and more uniform distribution.

P2X



MINIDRONE FOR RESEARCH QUADCOPTER

DESIGNED AND CRAFTED IN ITALY



Dimensions: | 220x90x220 mm (LxHxW)



MTOM: | 0,65 kg

Payload Weight: | Up to 0,1 kg

Maximum Speed: | 12 m/s (limited)

Endurance: | Up to 11 min

Compact and versatile, the P2X drone is a platform designed for research and for the development and testing of autonomous guidance and navigation algorithms.

In indoor environments, the compatibility with motion capture systems—such as Vicon—enables the use of highly precise positional data to locate the drone in spaces where GNSS signals are unavailable or not reliable. The P2X facilitates experimentation and validation activities under controlled and repeatable conditions.

The platform is particularly well-suited for developing swarm logic, multi-drone coordination strategies, and navigation algorithms for integrated robotic systems—including heterogeneous ones, such as cooperative UAV-UGV architectures.

XR₂



**LIGHT DRONE
FOR INDOOR APPLICATIONS
QUADCOPTER**

DESIGNED AND CRAFTED IN ITALY

Dimensions: | 600x130x600 mm (LxHxW)
Dimensions (folded): | 380x130x380 mm (LxHxW)



MTOM: | 2,5 kg
Payload Weight: | Up to 0,8 kg



Max Speed: | 12 m/s (limited)
Endurance: | Up to 22 min

Depth Camera

Companion
Computer

Designed and crafted in Italy, the RX2 is equipped with an autopilot, a companion computer and a suite of specialized sensors, enabling seamless autonomous flight both indoors and outdoors.

Its capability to perform environmental 3D mapping ensures precise navigation. Developed as a research and development platform for autonomous guidance systems, the RX2 provides an ideal testbed.

Engineered for accessibility, the RX2 features modular electronics mounted on a compact removable plate, simplifying maintenance, upgrades, and customization.

MAVTech SRL

Micro Aerial Vehicles Technology

- NOI Techpark – Via Ipazia 2 – 39100 Bolzano (BZ)
 - Strada Leinì 18 / E – 10072 Caselle Torinese (TO)
- Ph. +39 329.0467673
www.mavtech.eu - mavtech@mavtech.eu

ISO 9001:2015 certified company and MePA enabled supplier

