

Built for Reliable Radio Control



axl OneView

The axl OneView is a next-generation radio controller from axldrone built for professional drone operations. Designed for reliability, precision, and scalability, it delivers long-range communication, real-time HD video, and seamless mission control in demanding environments.

Key Features



Long-Range Transmission

Up to 10 km range with real-time HD video stream



Mesh Networking

Enables multi-drone connectivity and video streaming.



Mission Logs & Data Tracking

Integrated logging system for flight data recording and downloading



axlDOS & axlGC Integration

Proprietary Drone Operating System and Ground Control Software



7-Inch HD Touchscreen Display

Bright, responsive display for real-time monitoring and control.



Secure Communication

Encrypted data transmission for safe and reliable operations.

Technical Specifications

Controller

Screen

7 Inch LCD touch screen, 1024 x 600

Radio Control Range

10 KM

Antenna

Dual Antenna 2.4Ghz

Battery Life

2.5 Hours

Extendability

N+1 configuration and real time broadcasting

Storage

64GB

Wireless Communication

Bluetooth, WIFI

External Interface

USB, HDMI, LAN, AUX Out

Battery Capacity

3000 mAh

Working Frequency

2.4GHZ

RF Power

1W, 30dBm

Channels

Processor

Intel N Series

Operating System

axIDOS

Size

300mm(L) * 192mm(W) * 68.2mm(H)

Weight (Battery & Antenna included)

Approx. 1120g

Operating Temperature (°C)

-10°~55°C

Airunit

Case Material

ABS

Signal Bandwidth

4MHz

Power Consumption

The average power consumption does not exceed 3W

Power Input

**Recommended supply voltage
12V (Avoid sharing BEC with servos)**

Airunit Control Output

SBUS, UART, LAN

Antenna

Dual Fixed Patch Antenna

Dimensions

85mm(L) * 45mm(W) * 30mm (H)

Weight

Approx. 120g



Applications

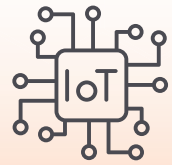
UAV



UGVs



Industrial IoT



About axldrone

axldrone is a leader in innovative drone solutions, offering purpose-built drones, powerful components, and ground control software. With over a decade of R&D and global project execution experience, we provide end-to-end drone solutions for professional and industrial uses.



axldrone

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