

AERIS S7

—RECON—

TACTICAL SMALL-CLASS RECON UAS

Portable. Modular. Networked.



EO/IR reconnaissance | Onboard AI | Modular field repair

40

min

max. real-world flight
time

3,25

kg

MTOW

2–5

km

typical LOS range

2–3

min

typically
mission-ready

Built for mobile reconnaissance

AERIS Recon S7 is a tactical small-class UAV system for mobile reconnaissance, EO/IR observation and AI-assisted mission analysis. Its low transport weight, open IP architecture and rapid field repair combine in one robust system.

- **EO/IR Reconnaissance**
Daylight and thermal imaging with a stabilised gimbal.
- **Onboard AI**
Docker-capable video, AI and mission processing without cloud dependency.
- **Tool-free Repair**
Propulsion units and landing gear can be replaced quickly in the field.
- **Open System Architecture**
IP-based integration with C2, UMS, GCS and network systems.

TECHNICAL KEY DATA

30

min

recommended
mission time

5 Bft

wind resistance

100

Mbit/s

data rate up to

AES

256

encryption

Platform & Performance

Configuration	Quadcopter
MTOW	3,25 kg
Flight time	up to 40 min real / 51 min theoretical
Mission time	approx. 30 min recommended
Wind resistance	5 Bft
Protection	splash-resistant; IP54 level*
Battery	5S3P, 15 Ah, 18.0 V nominal
Propeller	16 in, carbon fibre, Quick-Lock

Mission Systems

Navigation	GNSS/RTK, VIRS, 50-m-LiDAR
Data link	MANET / mesh, IP-based
Range	typical 2–5 km LOS
EO sensor	1280 × 720, 20× opt. + 2× dig.
IR sensor	640 × 480 LWIR
Video	H.264 / H.265, RTSP
AI	people, vehicles, fire/smoke etc.*
Operation	rugged 7-inch GCS

Configuration Options

- Tether power supply or fully wired operation
- UWB-based precision landing at close range
- Docker-capable mission computer for video, AI and custom apps
- MOLLE/PALS backpack, transport case and rapid charger

NOTE

* Values and functions depend on configuration and mission. Protection is designed approximately to IP54 level; no formal IP certification. Technical changes reserved.