

# Spy'Ranger 330

## Electric mini-UAV system for front-line intelligence, forward units and security forces

Up to 3 hours autonomy  
30 km communication range  
HD EO-EO low light and  
IR (gimbals)



# Spy'Ranger 330

## The flying eye for front-line units



### Missions

- Frontline unit contact intelligence
- Flying eyes of forward observers for indirect fire manoeuvres (artillery support and special forces)
- Border surveillance
- Critical infrastructure protection

### Highest performance

- Unique endurance and stealth thanks to electric engine, UAV aerodynamic efficiency and high-performance certified batteries
- Reliable and secure thanks to omnidirectional, long-range, high data-rate, secure datalink
- High image quality thanks to gyrostabilised and HD EO-EO low light and IR modular payload
- Proven stabilisation and processing algorithms benefiting from Thales experience in targeting and reconnaissance pods for combat aircraft
- Robust and easy-to-use system thanks to design based on lessons learned from French Army UAV operations in combat

### Optimal mission efficiency

- Deployable on very short notice by two people (<15 min)
- Easy to operate after short training phase
- Simple, light and robust ramp launch
- Omnidirectional datalink avoids the need for antenna pointing

### High survivability

- Powerful sensors allowing operation above 500 m altitude (safe from small-arms fire)
- Stealth



### Combat-proven, user-friendly control station

- Combat-proven Geographical Information System
- Interface designed with French Army operators
- Open architecture for easy Interface with C4I and BMS

### Physical characteristics

- Fixed-wing electrically powered aerial vehicle
- 4 m wingspan
- MTOW < 15 kg

### Flight capabilities

- Autonomy: up to 3 hours
- Cruising speed: 17 m/s with boost mode up to 26 m/s (93 km/h)
- Maximum take-off wind: ≤12 m/s
- Exceptional aerodynamic efficiency
- Airworthiness certification

### Optronic payload

- 2-axis gyrostabilised HD EO-EO low light and IR (gimbals)
- 3-axis electronic stabilisation
- NIR laser pointer (optional)
- High-end imagery processing: automatic moving target detection, enhanced videotracking, geotracking

### Datalink

- Up to 30 km range
- High data-rate
- Secure
- Omnidirectional antenna

### Interoperability

- MIL-STD 810-G and STANAG 4370
- STANAG 4609 (video) and STANAG 4545 (image)
- STANAG 4703 (USAR LIGHT)