

THE NIGHT AND DAY LONG RANGE SURVEILLANCE SOLUTION

30

UP TO 30 KM
COMMUNICATION
RANGE
(250 M AGL)

1000

M IR HUMAN
DETECTION
DISTANCE

135

UP TO 135 MIN
ENDURANCE

8

MIN
DEPLOYMENT
TIME



Expert line

DATASHEET

DT26X SURVEILLANCE

LONG-RANGE UAV - SECURE SENSITIVE AREAS
OVER LONG DISTANCES

INDUSTRIES



Power
& Utilities



Oil & Gas



Railways
& Roads



Mines &
Quarries

KEY APPLICATIONS



Intelligence, Surveillance &
Reconnaissance (ISR)



Emergency Response



Discreet Surveillance
Missions in Sensitive Areas



Forest Fire Prevention,
Natural Disaster Management



Day & Night Routine
Surveillance of Industrial Sites



Anti-poaching Operations

KEY DIFFERENTIATORS

Unrivalled image quality with on-board stabilization, video tracking, movement detection, human recognition at a distance of more than 1.5 km, both night & day. Real time video transmitted in a 30 km range.

Safety: advanced automatic fail safe modes, with emergency parachute. Safety analysis conducted according to Aeronautical Standards, namely ARP4761.

Rugged: field-proven in the harshest conditions (desert, rocks, mountain, tropical forest, snow, etc.), capable of landing on any type of ground, with robust protection for the payload.

Stealth & mobile: the DT26X is silent (undetectable by night) and can be deployed in the field within minutes by a single operator.

UAV SPECIFICATIONS

Endurance	Up to 135 min
Weight (payload included)	15 kg
Wingspan / Length	3.3 m / 1.6 m
Material	Composite (fiberglass, carbon, kevlar), EPP foam
Deployment time	8 min
Take-off / Landing	Catapult / Belly (all terrain)
Cruise speed	57 km/h (31 kts)
ITAR FREE	
Communication range	Up to 30 km (250 m AGL)
Very low cruise acoustic signature	< 80 dBA (acoustic pressure converted at a distance of 1 m)

Standard

Detection / Identification (field measurement)	EO Human: 500 m / 300 m
	EO Vehicle: 2600 m / 1000 m
	IR Human: 700 m / 220 m
	IR Vehicle: 1150 m / 350 m

Go further with the «PLUS» option

Detection / Recognition / Identification (field measurement)	EO Human: 1800 m / 1250 m / 1000 m
	EO Vehicle: 8500 m / 4500 m / 3600 m
	IR Human: 1000 m / 500 m / 300 m
	IR Vehicle: 1800 m / 1000 m / 500 m

Operating conditions

Wind resistance	50 km/h, moderate rain, -15 to 40°C (at sea level)
Take-off & landing altitude / ceiling	0 to 2300 m ASL @ 0° / 3000 m
Landing space	Typically: 10 m x 20 m / Recommended: 15 m x 30 m

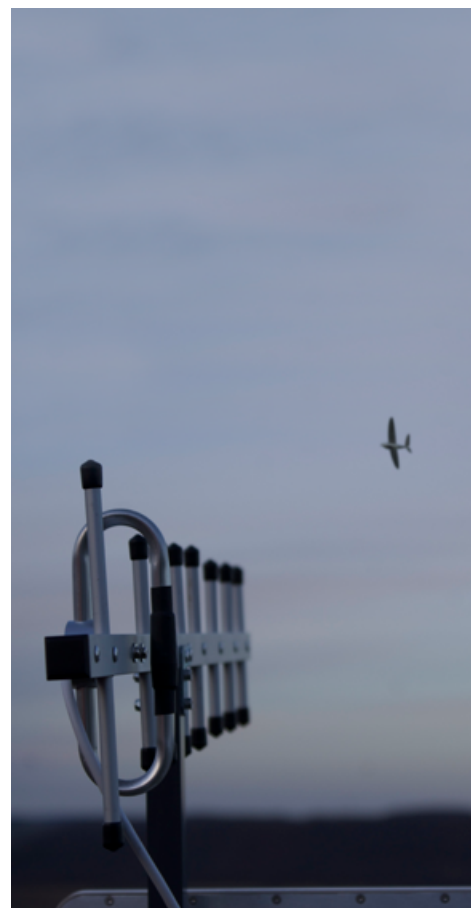
SENSOR

Gyrostabilized EO/IR video camera

Pan - Tilt / Angular resolution	Infinite range / 25 µRad
EO specifications	Zoom: x 10 optical / FOV: 5.4 to 50° / Resolution: 720 x 576 px
IR specifications	Zoom: Digital (continuous) / FOV: 25° / Resolution: 640 x 480 px / Wavelength: 8 to 14 µm
Tracking	Videotracking, geotracking, «click and track» feature

Go further with the «PLUS» option

EO specifications	Zoom: x 36 optical / FOV: 1.7 to 56° / Resolution: 720 x 576 px
IR specifications	Zoom: Digital (continuous) / FOV: 17.7° / Resolution: 640 x 480 px / Wavelength: 8 to 14 µm
Advanced image stabilisation	
Onboard image enhancement (contrast, shutter, gain)	
Multiple moving objects detection	



DELIVERABLES

Real time video and screenshot feature.

Analytics available on Delair-Stack®

On-line features: possibility to store replay the whole flight on Delair-Stack®.

