



THE IMAGE QUALITY OF A TACTICAL UAV PACKAGED IN A STEALTH AND RUGGED MINI-DRONE

50

KM RANGE OF ENCRYPTED COMMUNICATION

1800

M EO HUMAN DETECTION DISTANCE

135

UP TO 135 MIN ENDURANCE

8

MIN DEPLOYMENT TIME



Expert line

DATASHEET

DT26M

THE LONG RANGE TACTICAL UAV - SECURE SENSITIVE AREAS OVER LARGE DISTANCES

INDUSTRIES



Security & Defense

KEY APPLICATIONS

✓ Intelligence, Surveillance, Target Acquisition & Reconnaissance (ISTAR)

✓ Patrol and Convoy Escorting

✓ Target Acquisition and Damage Assessment

✓ Discreet Surveillance Missions in Sensitive Areas

✓ Border Security

KEY DIFFERENTIATORS

Unrivalled image quality with on-board stabilization, video tracking, movement detection, human detection at a distance of more than 1.5 km, both night & day. Real time encrypted video transmitted in a 50 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.

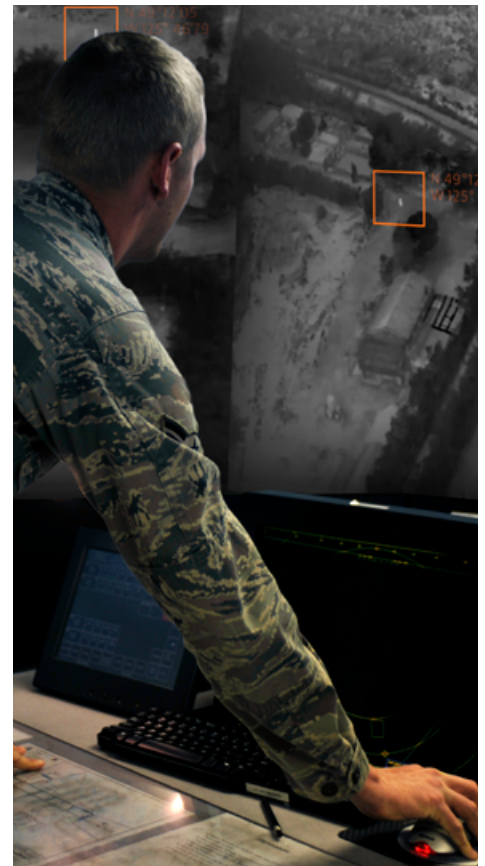
Stealth & mobile: the DT26X is silent (undetected by night), has no radar signature and can be deployed in the field within minutes by a single operator.

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 50 km
Communication link	C-band (L-band, S-band also available on request)
	Encryption AES256
	Agile mesh, multi-node topology
Very low cruise acoustic signature	< 80 dBA (acoustic pressure converted at a distance of 1 m)

Detection / Recognition / Identification (field measurement)	EO Human: 1800 m / 1250 m / 1000 m
	EO Vehicule: 8500 m / 4500 m / 3600 m
	IR Human: 1000 m / 500 m / 300 m
	IR Vehicule: 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: 20 m x 40 m



SENSOR

Gyrostabilized EO/IR video camera

Pan - Tilt / Angular	Infinite range / 25 µRad
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 stabilization

Onboard image enhancement (contrast, shutter, gain)

Tracking Videotracking, geotracking, simultaneous mobile object tracking (up to 4), «click and track» feature

DELIVERABLES

Real time video, screenshot feature, on board recorded high definition video

