

ASTER-T

CAPTIVE DRONE



SCR 

ASTER-T

TETHERED VTOL UAV SYSTEM

SCR has developed ASTER-T, an advanced tethered UAV system offering non-stop and quick deploying aerial coverage over great spaces to deliver event security, public safety enforcement, crisis monitoring, alternative communications, private and military surveillance and asset safeguard.

- Unlimited power supply
- Fully autonomous autopilot for tethered missions
- Operating range from 70 m to 100 m
- Secure communications by wire
- Visible & thermal camera, up to 40X continuous zoom



BUILT FOR PERMANENCE & PERFORMANCE



Unlimited power supply

The ground power box provides unlimited power to the drone.

- Dimensions: 65x38x36 cm
- Total weight: 23 kg
- Power input: 220-250 VAC, 50-60 Hz



EO/IR stabilized camera

Powerful IR observation alongside long range visible imagery.

- Zoom: x20 + x2 digital (total x40)
- Detect / Recognize / Identify:
 - Man DRI:
 - Visible: >5 km, >3 km, >1.5 km
 - Thermal: >940 m, >240 m, >120 m
 - Vehicle DRI:
 - Visible: >20 km, >5 km, >3 km
 - Thermal: >2,500 m, >660 m, >330 m



Light and tough Hexacopter

Six arms, tri-propeller drone of carbon fibre in radial configuration:

- MTOW: 14 kg
- Payload: 4 kg



Up to 100 m high

Allows to fly up to 100 m high. Operational altitude between 70 m and 100 m.



Live system telemetry

Accurate monitoring, record and analysis of flights and power box status through the cable.



Safety battery on board

Safe landing thanks to the redundant on-board battery in case of power outage.



Self tether winder

The power box incorporates a variable-torque self winder to prevent entanglements.



Secure communications

Continuous and anti-jamming flight control and video data transfer through the tether.

