



MosquitoTM UHV-T

Aerial Target

Mosquito is a cost-effective unmanned helicopter target designed primarily for use in military training exercises.

The Mosquito can simulate rotary-wing threats for ground-based air defence, air-to-air pilot engagements or naval ship defence systems. It is also an ideal target for satisfying test and evaluation requirements for new weapon systems.

Various mission requirements can be satisfied using a wide range of internal and external payloads, including visual and radar signature enhancement, miss distance scoring, video and transponder packages.

The Mosquito can be delivered as a system with the QinetiQ Universal Target Control Station (UTCS), or flown with an existing customer control system (ie successful interface with the US Army AGATCS). The Mosquito is being developed for shipboard operation, and is currently being utilized in both land and maritime environments. Examples of other non-target roles for the Mosquito would be surveillance, cargo transport, and IED detection.

Key Features

Multi-role threat-representative unmanned helicopter target system

Proven speed of 75 knots

Line-of-sight and Iridium control

Flexible payload options

Mosquito™ UHV-T Specifications

Physical

Dry weight	190.5kg (420lbs)
Length	5.19m (17 ft)
Width	1.94m (6.4ft)
Height	2.26m (7.4 ft)
Rotor diameter	Main: 5.9m (19.4ft), Tail: 1.0m (40in)
Power plant	2 cylinder, 2 stroke, 60 HP

Performance

Speed (max)	75 knots (139 km/h)
Payload capacity	Approx 45.36kg (100lbs)
Communications	Line of sight and iridium control
Altitude (max)	2000m (6561ft) DA
Available power	2 kw
Endurance	2 hours typical* (auxiliary fuel tanks available to extend endurance to >4 hours)

Available payloads

Video, smoke kit, IR flares kit

Variable passive RF enhancement

RF-SAS and active RF enhancement for NCTR (HRSS)

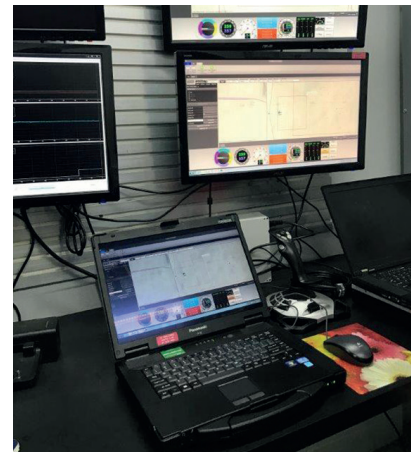
Miss distance scoring systems

Laser pod (LMTF), IFF transponder

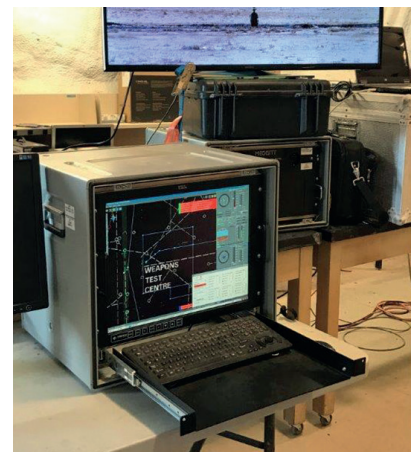
* Performance will vary depending on payload and flight conditions



Flying in harsh environments



Set up and ready for data capture



Testing new weapons systems

Note: Due to continuous process improvements, specifications are subject to change without notice.

Collaborating with QinetiQ

At QinetiQ we bring organisations and people together to provide innovative solutions to real world problems, creating customer advantage.

Working with our partners and customers, we collaborate widely, working in partnership, listening hard and thinking through what customers need. Building trusted partnerships, we are helping customers anticipate and shape future requirements, adding value and future advantage.

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