



UTCS™ 3100

Support products and services

The Universal Target Control Station (UTCS) 3100 is a STANAG 4586 compliant control station.

The UTCS currently controls 14 different unmanned Air and Sea Vehicle Systems. The UTCS combines the latest in 3D technology and Vector charts into one display allowing the UTCS to load maps of any place in the world.

The UTCS is centred around a LINUX workstation that generates the Graphical User Interface (GUI) viewed on a large screen display LCD. The GUI incorporates target control panels, an electronic map and target health monitoring features. The UTCS generates and transmits the command and control data used to control the target while monitoring, displaying and recording the status of the data returned from a single or multiple targets. The UTCS employs a half-duplex data-link that has a proven capability to allow for simultaneous control of 16 targets on a single frequency.

The UTCS 3100 provides Dual Video Operation. It has the capability of operating two video-equipped or four non-video Unmanned Vehicle System – Targets (UVS-Ts) simultaneously. It also has a hot swappable backup capability for both data and video operations.

Key Features

- Simultaneous sea and air target operations
- Point and click control
- Lightweight and portable
- 3D waypoint GPS based tracking and control
- Pre-programmed navigation routes
- Multiple video channels available

UTCS™ 3100 Specification

Physical

Command Module	Weight: 30 lbs (13.6kg) Size: 24.7 x 21.0 x 27.2" (62.7 x 53.3 x 69.1 cm)
Processor Module	Weight: 70 lbs (31.75kg) Size: 21.2 x 21.0 x 27.2" (53.8 x 53.3 x 69.1 cm)
Antenna Control Module	Weight: 24 lbs (10.9kg) Size: 20.6 x 5.7 x 9.3" (52.3 x 14.5 x 23.6 cm)
Data Link Module	Weight: 23.5 lbs (10.7kg) Size: 40.0 x 9.1 x 15.3" (101.6 x 23.1 x 38.9 cm)
Video Receiver Module	Weight: 21 lbs (9.5kg) Size: 24.7 x 21.0 x 27.2" (62.7 x 53.3 x 69.1 cm)
GPS Module	Weight: 18 lbs (13.6kg) Size: 13.5 x 9.1 x 15.3" (34.3 x 23.1 x 38.9 cm)

Performance

Monitor	High resolution (1600 x 1200)
Processor	Intel Core i5 based workstation, 8 Gbyte DDR3 memory, RAID 1 SSD's + Data drive
DVD recorder	DVD-RW, 616 Mpeg encoders
RF communications	Transmit and Receive – 19200 baud
GPS receiver	Minimum 12 channel, C/A code

Payloads

SPIES™ – Barracuda™ USV-T
MDI Interface – Vindicator UAV-T
Various scoring available

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.

www.QinetiQ.com

Copyright QinetiQ Ltd 2017 | UCTS 3100

QinetiQ/17/03126

For further information please contact:

Cody Technology Park
Ively Road, Farnborough
Hampshire, GU14 0LX
United Kingdom

+44 (0)1252 392000
customercontact@QinetiQ.com
www.QinetiQ.com