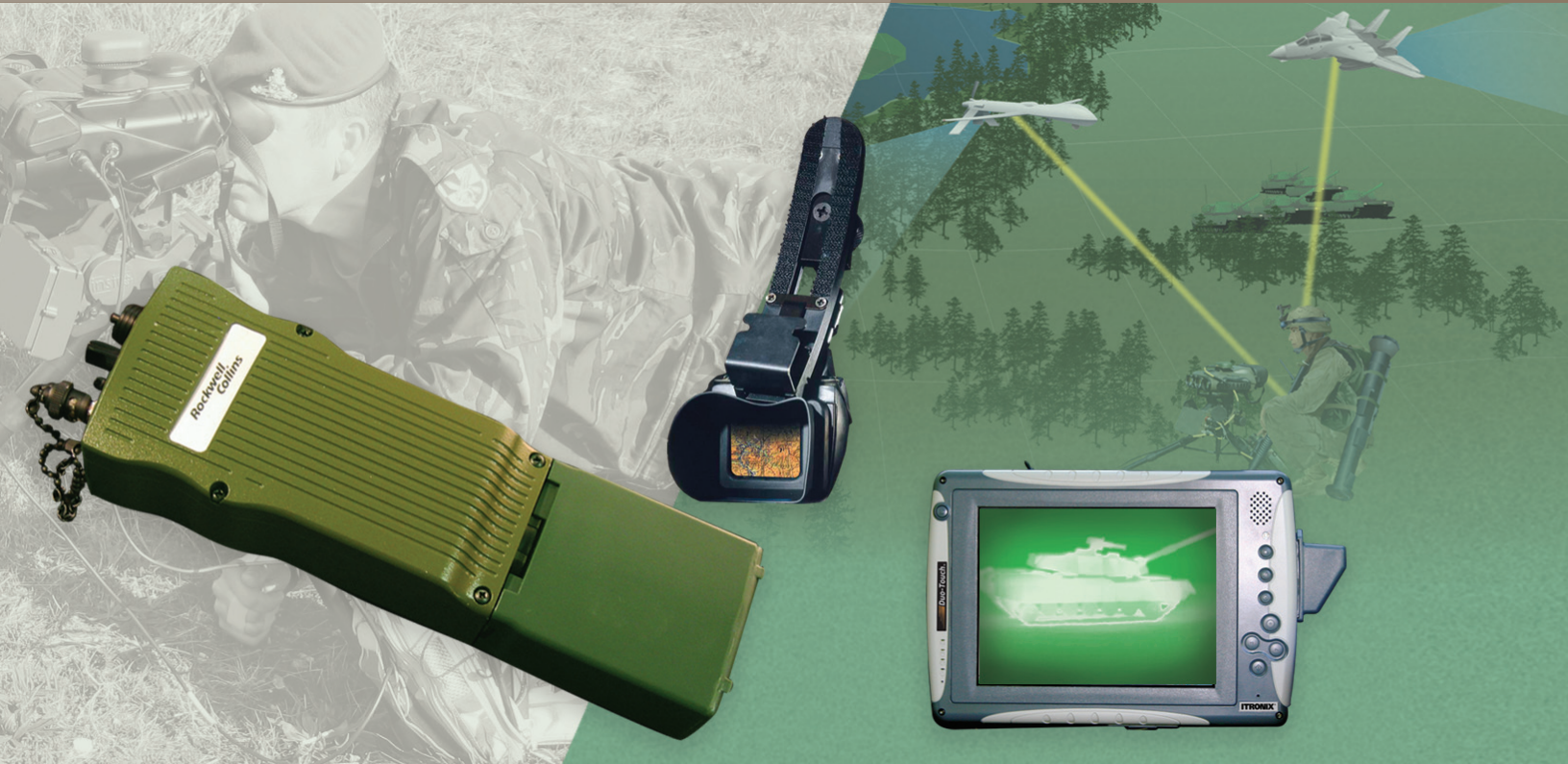


StrikeHawk™ – Tactical Video Downlink Receiver



Gaining access to valuable reconnaissance data is critical to mission effectiveness.

Today, fast moving tactical users such as special forces, FAC/TACPs, FAOs, infantry and other lightweight mobile troops lack the lightweight body worn systems necessary to provide them with the situational awareness information needed for ultimate mission effectiveness.

The StrikeHawk is a carefully designed, extremely rugged and compact military video receiver for reception of real-time video transmitted from targeting pods, UAVs or other surveillance platforms providing information to the tactical user. Designed for use by FAC/TACP/FAOs in the specialist role to support targeting missions and provide immediate Battle Damage Assessment (BDA), the receiver can also be carried by ground troops taking advantage of any surveillance assets available to them within theatre and in the vicinity of their immediate operations, offering invaluable

insight into the movements and disposition of not only friendly but also local or approaching hostile forces.

Options for the StrikeHawk cover the downlink bands currently dominating in-theatre operations and can be tuned to the available pod or downlink frequency in use. The downlinked images are made available in IP protocol for connection to tablet PCs or an IP distribution system, or can be displayed on the Rockwell Collins SO35 helmet mounted display (HMD) to allow patrol mobility to the users. When used in conjunction with a tablet PC, the computer controls the operation of the receiver and allows frequency and other necessary inputs. In the patrol role the frequency can be set by a simple up/down menu on the associated controller. An extremely compact, body worn and purpose designed omnidirectional antenna is included to optimise reception of video transmitted from airborne platforms while on foot. It provides proven reception in excess of user specified downlink operating ranges.

With its compact size, as well as its use on the individual soldier, the unit provides its own ISTAR capabilities, enabling it to be quickly installed into a variety of platforms using the platform install mount. This provides a rapid appliqué installation allowing any platform to receive downlinked images with immediate ISTAR capabilities.

Uses include convoy observation and protection, allowing UAV reconnaissance of a route to be driven being downlinked and observed by the lead vehicle, to guard against IED or ambush. Other applications include maritime use on small assault craft or larger support vessels, airborne use by rotary or fixed wing platforms providing them with a view of strike or ground operations, and a variety of other temporary platform install options.

**Rockwell
Collins**

Building trust every day

FEATURES

- Extremely compact and lightweight
- Ruggedised
- Output to PC via composite video Ethernet
- Multi-channel modular receiver
- Compact body worn antennas
- Powered from radio battery or any 9-36 VDC source
- Sealed to IP67

OPTIONS

- Analogue reception from UHF to Ku band
- Digital video transmission reception
- PAL or NTSC video
- Optional colour finish (sand, green, black, etc.)
- Optional battery connections (either handheld or manpack)
- GUI software, with or without a still image/video record facility

AVAILABLE ACCESSORIES

- USB interface cable (optional lengths available)
- IP protocol (Ethernet) interface cable (optional lengths available)
- L/S band antenna, C band antenna, wideband antennas
- Antenna cables (optional lengths available)
- Batteries, generally supplied as standard
- HMD interface cable
- NATO power cable (varying lengths available)
- Various battery connection cables (Harris, Thales, etc.)
- Cigarette lighter power lead (varying lengths available), usually supplied as standard
- Vehicle fitting kit with mag-mount antennas
- Helmet Mounted Display (HMD)
- Test transmitter with built-in camera (various camera options available including day/night and thermal)
- Wrist mounted LCD monitor
- Rugged, sunlight viewable tablet or handheld PCs
- GUI software

INTERFACES

- 16-way Fischer connector (sealed to IP67)
 - Ethernet 10/100 Base T
 - RS232 data
 - Composite video out (NTSC)
 - 12 VDC out (200 mA max)
- Coaxial SMA
 - RF connector for L/S band antenna
- Coaxial BNC
 - RF connector for C band antenna
- 3-way Fischer connector (sealed to IP67)
 - 9-36 VDC power
- Dual PRC-152/MBITR battery connector
 - AA cell battery magazine
 - 9-36 VDC power

SPECIFICATIONS

C band Analogue	4.400 GHz to 5.800 GHz, 1.0 MHz steps FM demodulation NTSC / RS-170 video
L band Analogue	1.700 GHz to 1.850 GHz, 1.0 MHz steps FM demodulation NTSC / RS-170 video
S band Analogue	2.200 GHz to 2.500 GHz, 1.0 MHz steps FM demodulation NTSC / RS-170 video
Dimensions	165 mm x 40 mm x 70 mm (approx. without battery)
Weight	<1 kg (without battery)

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

Building trust every day.

Rockwell Collins delivers smart communication and aviation electronic solutions to customers worldwide. Backed by a global network of service and support, we stand committed to putting technology and practical innovation to work for you whenever and wherever you need us. In this way, working together, we build trust. Every day.

For more information contact:

Rockwell Collins UK Ltd.
Suttons Business Park
Reading
Berkshire
RG6 1LA
United Kingdom
Tel: +44.118.926.1111
Fax: +44.118.966.4016
E-mail: rcuk@rockwellcollins.com
Web site: www.rockwellcollins.com/gs

**Rockwell
Collins**

Building trust every day