



Proven Data Link System Solutions

Information Assured

Ultra's wide range of leading secure data link and receiver systems provides the naval, land and airborne communities with proven and integrated tactical, command and control and Full Motion Video (FMV) data link solutions.

Ultra has delivered enhanced situational awareness and secure data link capability within the UK and around the world through leading edge solutions to meet the operational requirements of naval, land and airborne users.

Our data link and receiver solutions provide high grade security to the transmission of tactical, video and command and control data through the latest cryptographic, waveform and RF solutions.

Ultra provides innovative solutions to meet the developing operational requirements of the customer community, providing total reassurance of secure data transfer.



Video Data Links



Tactical Data Links



High integrity UAS and Weapon Data Links



Video Receiver

Ultra recognises that each of its Customer requirements are unique and will work alongside its partners to deliver the most cost effective and innovative solution for the operational role.

Advanced tactical data link solutions

Ultra's tactical data link solution is delivered through its Multi Link Processor (MLP) family of products. This provides a versatile solution to single or multiple tactical data link operation (with embedded encryption) within a single LRU. MLP supports Link-11, Link-16, Link-22 and IDM. MLP is approved by and proven with many UK, export and NATO communities.

The modular architecture of the MLP delivers complete flexibility from Link-11 crypto only (being the basis of the KG-40A replacement) through to complete system solutions, all delivered in a lightweight system proven in both airborne and naval applications around the world.

UAS & weapon data link solutions

Ultra has designed, delivered and proven the High Integrity Data Link (HIDL) providing robust command and control to multiple UAVs and associated ground stations.

The versatility of the HIDL system also delivers secure full motion video transmission, relay capability for beyond line of sight operations and weapon data transfer. Its unique

waveforms and operation deliver high grade encryption, low probability of interception and detection and secure networked anti-jam communications.

The system has now been proven on the UK Watchkeeper UAV and Loitering Munitions programmes.

HIDL is being tailored to deliver cost effective command and control for wider missile applications as well as integration into Remote Video Terminals (RVT) to offer flexible system solutions to Customers.

As a leading industry technology HIDL is now being considered as the basis for a STANAG in its own right.



Video data link solutions

Ultra designed, delivered and integrated the latest video technology into the Litening Pod system for the UK Typhoon and Tornado platforms delivering unparalleled performance for the UK in secure video data transmission in hostile environments around the world.



The system has also been proven to deliver interoperability with leading RVTs as well as providing enhanced operational capability to the UK RN Merlin helicopters. This design, manufacture and delivery of the Merlin solution ensured a full motion video capability was provided in under three months from contract award.

iVu video receiver

Ultra has developed a small, light soldier wearable receiver system that is designed to be compatible with NATO Interoperability standards.

This flexible and configurable solution will support full motion video data transfer in a range of bandwidths providing meta data and composite video available at its interfaces.

This approach allows optimisation of the solution in partnership with its customers to meet their individual operational requirements.



MISSION CRITICAL SECURE NETWORKS AND SYSTEMS

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