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# Litening Pod Digital Video Data Link

## Key features

- Designed for all current and future versions of Litening Pod
- Delivers secure, NATO interoperability
- Downlink as standard or optional full duplex
- Available as an upgrade to Ultra MBADL units or as a new purchase item
- Encrypted meta-data
- Simple integration to Litening Pods
- Evolved from Ultra litening MBADL with over 100,000 hours of operational service

## Overview

**ROVER compatible, digital data link for Litening targeting Pods**

dVDL is a secure, digital, ROVER compatible data link for the Litening Pod family of targeting pods. The system provides the capability to securely transmit and receive Litening Pod imagery/data to ROVER video terminals. This is especially critical during Close Air Support missions, Special Forces missions and a wide variety of other situational awareness tasks. Available as either a downlink only or optionally as a transceiver, dVDL is AES256 encrypted and is compatible with all variants of the widely used ROVER ground receive video units.

For customers using the Ultra Litening Pod Multi Band Data Link, dVDL can be installed and operated with no changes to aircraft or Pod software and hardware. This greatly reduces aircraft integration time and costs. dVDL has been designed to operate in all current and future versions of Litening Pod and is provided as either a new build item or as an upgrade to existing Ultra Litening Pod data links. The system provides full US and NATO interoperability.

# ULTRA
Intelligence & Communications

# Technical Specification
# (Standard download link version)

| | |
|---|---|
| **Operating bands** | C band analogue and digital |
| **Transmit / Receive modes** **Simplex** (standard configuration) | Simplex (standard configuration) Duplex (optional) |
| **Encryption** | AES 256 |
| **RF power output** | 20W |
| **Video input formats** | PAL or NTSC |
| **Voltage input** | 28V |
| **Mass (Simplex configuration)** | 3.8kg |
| **Size (Simplex configuration)** | 175mm x 155mm x 86mm |
| **Operating temperature** | -40°C to +55°C |
| *Datasheet may be periodically subject to change* | |

# Features and benefits

| Features | Benefits |
|---|---|
| Digital, Close Air Support data link for Litening Pods | **NATO STANDARD** - Delivering NATO standard communications to NATO customers' Litening Pods |
| For all variants of the Rafael Litening Pod family, including Litening II, III, 4, 5 and onwards | **PROTECTED INVESTMENT** - dVDL can be used in all of the current and future Litening Pod family |
| Fully compatible with L-3 communications family of ROVER ground viewing terminals. Including ROVER 3, 4, 5, 6, SIR, and TNR | **COMPATIBILITY** - Ensuring digital, secure, compatibility with ground forces using US and NATO L-3 remote viewing terminals |
| No change to aircraft or Pod software / hardware required | **TIME & COST EFFECTIVE** - A simple plug and play design ensures very quick entry to service. No or limited aircraft integration activities required |
| AES256 Encrypted | **SECURE TRANSMIT / RECEIVE** - Data links are secured to NATO standards |
| Available as an upgrade to Ultra Litening Pod data links or as a new build item | **COST-EFFECTIVE** - Inexpensive both as an upgrade to existing Ultra data links or as a new purchase |
| Downlink as standard, duplex as an option | **MISSION READY** - The flexibility to transmit and/or receive to and from ground forces |
| Uses standard NATO DS101 key fill devices for AES256 key loading | **UTILISES EXISTING EQUIPMENT** - No new equipment required to be procured to support dVDL |
| Qualification | **STANDARDS** - such as MIL-STD-704F, MIL-STD-461G and MIL-STD-810E |
| NATO standards roadmap | **FUTURE PROOF** - dVDL will grow in line with NATO STANAG updates, keeping customers up to date with latest NATO standards |

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