

DEFENCE AND SPACE
Cyber

Litening Pod Digital Video Data Link



AIRBUS

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 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 Litening Pod data links. The system provides full **US and NATO interoperability**.

Key features

- Downlink as standard or optional full duplex
- Encrypted meta-data
- Simple integration to Litening Pods
- Evolved from litening MBADL with over 100,000 hours of operational service
- Digital, close air support data link for Litening Pods
- For all variants of the Rafael Litening Pods family, including Litening II, III, 4, 5 & onwards
- Fully compatible with L-3 communications family of ROVER ground viewing terminals. Including ROVER 3, 4, 5, 6, SIR and TNR
- No change to aircraft or Pod software / hardware required
- Uses standard NATO DS101 key fill devices for AES256 key loading

Benefits

- Delivering **NATO standard** communications to NATO customers' Litening Pods
- **Protected investment:** dVDL can be used in all of the current and future Litening Pod family
- Ensuring digital and secure **compatibility** with ground forces using US and NATO L-3 remote viewing terminals
- **Time and cost-effective:** a simple plug-and-play design to ensures very quick entry to service. No or limited aircraft integration activities required
- **Secure transmit / receive:** data links are secured to NATO standards
- **Mission ready:** flexibility to transmit and/or receive to and from ground forces
- **Utilises existing equipment:** no new equipment required to be procured to support dVDL
- **Future proof:** dVDL will grow in line with NATO STANAG updates, keeping customers up to date with latest NATO standards

Technical specifications

- Operating bands: C band analogue and digital
- Transmit/Receive modes: Simplex (standard configuration), Duplex (optional)
- Encryption: AES 256
- RF Power Output: 20W
- Video input formats: PAL or NTSC
- Voltage input: 28V
- Mass (simplex configuration): 3.8 kg
- Size (simplex configuration): 175 mm x 155 mm x 86 mm
- Operating temperature: - 40°C to +55°C
- Standards such as MIL-STD-704F, MIL-STD-461G and MIL-STD-810E

