

Unlimited Connectivity for Mission-Critical Aeronautical Applications.

SVP Aerospace, a global leader in microwave transmission solutions, introduces the new BLOS-04 Cellular DataLink, engineered to extend beyond line-of-sight (BLOS) coverage without compromising performance or security.

This hybrid solution combines the best of both worlds:

A high-performance microwave link for line-of-sight (LOS) operations, backed by SVP Aerospace's proven technology.

Extended connectivity through 4G (LTE) and 5G cellular networks, as well as satellite links such as the BLOS-10, powered by Starlink, among other compatible options.

Cellular technology provides a significant boost in bandwidth and robust transmission from virtually any location through the aggregation of multiple mobile network operators.

The BLOS-04 is fully compatible with SVP Aerospace's latest-generation transmitters and receivers. It can be integrated as part of a complete solution or operate as a standalone module, adapting seamlessly to existing systems.

Specifically designed for demanding aeronautical environments, the BLOS-04 DataLink meets DO-160 certification standards, supports AES-256 encryption, and enables the Stanag 4609 KLV metadata, ensuring mission integrity and data security.



KEY FEATURES:

- High bandwidth with multi-link aggregation.
- Global coverage with no geographic limitations.
- Low latency, ideal for real-time applications.
- DO-160 certified.
- Compatible with satellite links and legacy systems.
- Creation of virtual LAN between different BLOS-04.

CHARACTERISTICS

NETWORK

Interface Speed: 2x Ethernet 10/100 Mb
Interface: 1x LAN and 1x WAN
SIM Cards (3 options):
 – Option A: 2 x 5G & 2 x 4G (LTE)
 – Option B: 1 x 5G & 3 x 4G (LTE)
 – Option C: 4 x 4G (LTE)
WiFi: Access Point (5GHz)

POWER

Power Supply: Powered by external connector
 Powered by PoE (Active and Pasive)
Power Supply Range: 11 to 72 V DC
Power Consumption: 30 Watts

GENERAL

Supported Data: IP Streaming with AES-256 Encryption and KLV Metadata
Internal Antennas: 2 Antennas per 4G (LTE) SIM
 4 Antennas per 5G SIM
 1 Antenna for WiFi
 1 Antenna for GPS
GPS: Compatible with Mission GPS Software

MECHANICAL

Connector: D38999, 13 Pins
Weight: 890 gr
Size: 112 x 131 mm (diameter)
Installation: Compatible with:
 – Airfilm Camera Systems DT-1-1
 – Dart Aerospace Crosstube Antenna Mount Kit

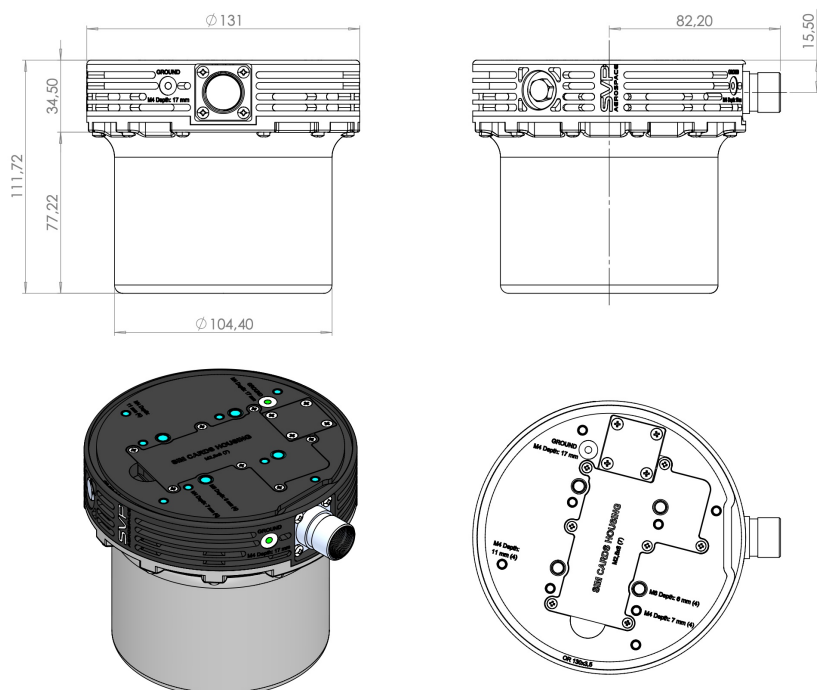
ENVIRONMENTAL

Protection: Waterproof (IP67)
 Gore Pressure valve
Audio: DO-160

SECURITY

Cybersecurity: – Encryption up to AES-256-CBC

MECHANICAL DIMENSIONS & HOW TO ORDER



BLOS-04-A-S

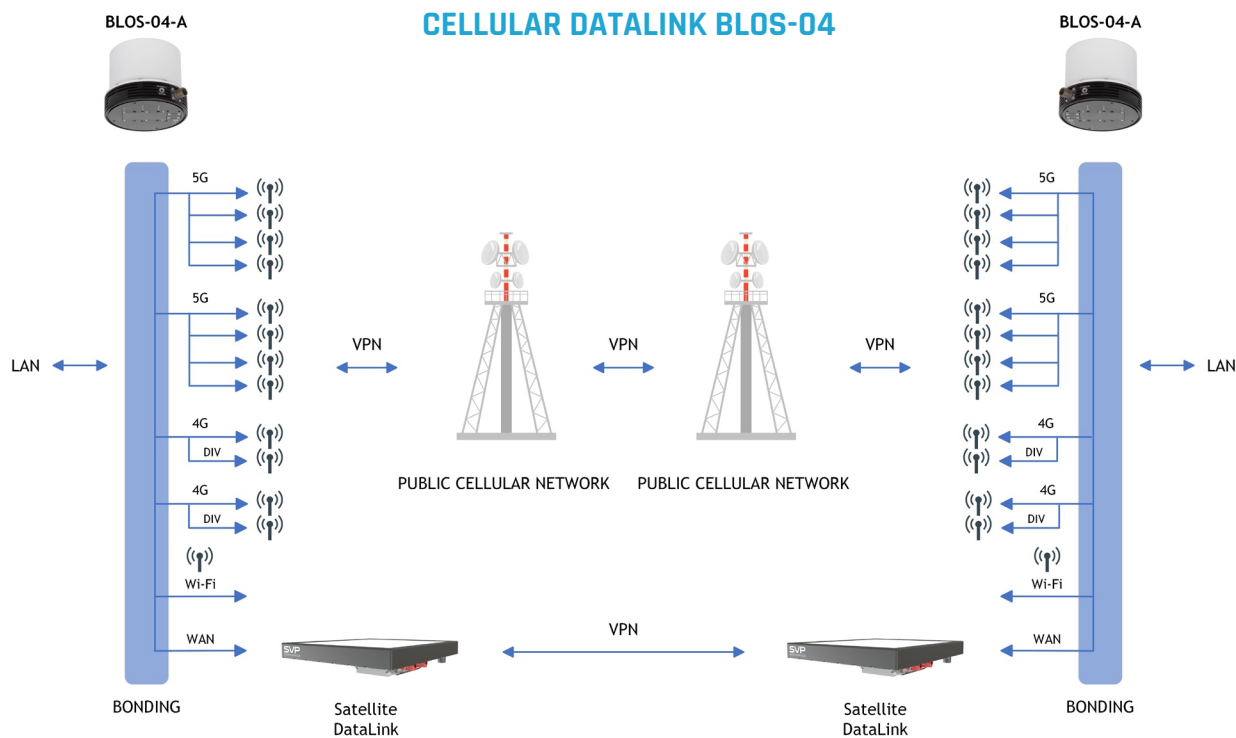
A = 2 x 5G & 2 x 4G (LTE)

B = 4 x 4G (LTE)

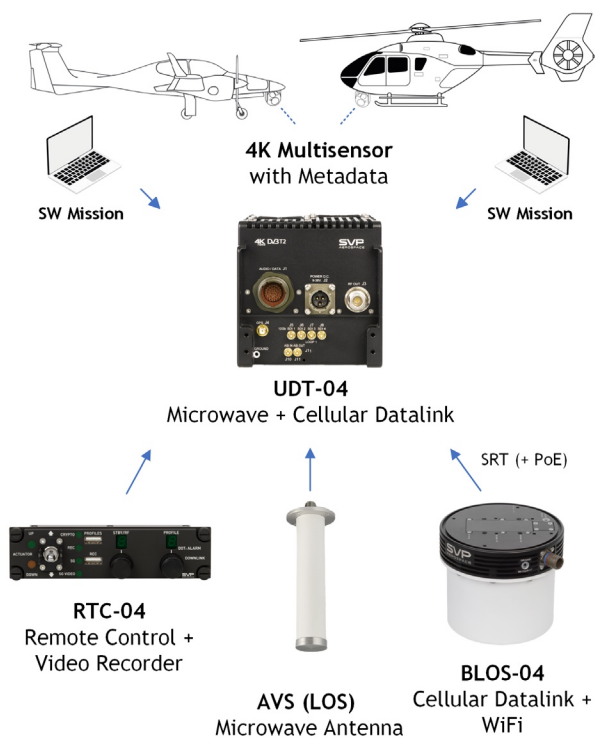
S = Side Connector

B = Base Connector

APPLICATIONS



FIXED-WING & HELICOPTER TRANSMITTER



PORTABLE RECEPTION

