



FEATURES

Rugged weatherproof construction standard broadcast connectors Built in 2.4GHz WIFI for user access.

Powers from 12V via car cigarette socket or V-lok camera batteries (other batteries on request).

Powers the transceiver via co-ax cable

Mounting kits available for most common Ka-band antennas

Outdoor Modem - Skylogic

A ruggedized, weatherproof satellite modem with integral WIFI router and using industry-standard connectors suitable for broadcast and government use.

BIPS manufactures a range of modems designed specifically to work with the latest Ka-Band IP-over-Satellite systems.

The Alternative

Standard modems for these systems are for indoor use only, have domestic connectors and are designed for permanent installation in a dry, temperature controlled environment.

Connection to the antenna is via 2x co-axial cables. These are bulky to carry, have limited length and can be difficult to rig safely. They are also hard to procure locally, should a failure occur on a foreign assignment.

Many systems also require the user to input RF cable loss each time the system is deployed, making the system difficult to use by non-technical personnel.

Domestic modems typically require mains power or 30VDC - often difficult to find in a breaking news situation. 12VDC is usually available from a vehicle or camera crew batteries.

The Solution

Mounting the modem on the antenna offers the following advantages:

Cross-site cable is a single standard CAT5 ethernet cable with RJ45 connectors – available from any computer outlet.

Single Co-axial cable to the antenna, cable lengths are minimised and constant length.

The modem (+ batteries) provides additional ballast to the antenna, maintaining performance during high winds.

Modem

TX Modulation	BPSK/QPSK/8PSK
TX Symbol Rate	0.625-20MSym/s
User Bitrate (upload)	up to 20Mbits/s

Automatic power control and rate adaption

RX Modulation	QPSK/8PSK/16APSK
RX Symbol Rate	10-52MSym/s
User Bitrate (download)	up to 50Mbits/s
Internal WIFI	2.4GHz
Operational Temperature	-15° to +40° C
Storage Temperature	-35° to +65° C
Fluid Ingress	IP65
Humidity	0 to 95% (non-condensing)
Size (WxDxH)	320 / 230 / 100mm
Weight	3.7kg
Mounting	Attaches to antenna via optional fitting kit

Power

12VDC/60W typical with transceiver running

Interfaces

IP Data	RJ45 10/100/1000 BaseT
Power	Bulgin PX 2-way or 2x V-Lok/PAG/AB camera batteries
RF	NType(f)
Console	Connection to Semetron Sat Finder

Order Codes

SLODU	Ruggedised IP modem for Skylogic News Spotter and Tooway operation
X5ODU	Ruggedised X5 IP modem for Telenor/Hispasat/Avanti operation
ODUCAB	Cable Kit for ODU, 1 x RF cables 5m, ethernet 2m, DC Cigarette lighter 2m, DC XLR 2m, mains cable 2m
MOUNT KIT	Antenna dependant please contact us with your requirements

