

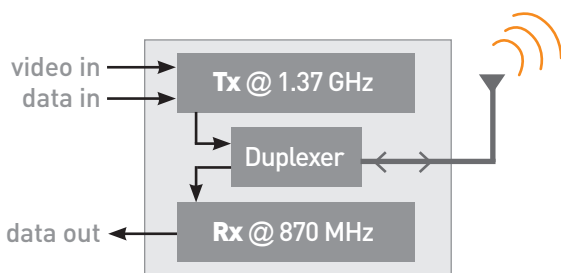
The **ADV13** System provides a **short range full duplex** radio solution for communication, video and data, between remote platforms and control stations. It has been specifically designed for, Small UAV data links, Smart military binoculars, embedded camera

With Advanten's appropriate antennas, the system allows Line-of-sight transmission range up to 10 Km in Ground to Air case, and 1Km in Ground to Ground application.

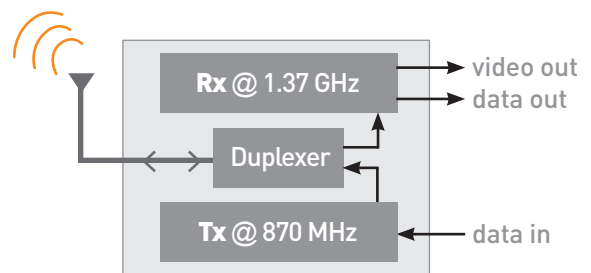
System's configuration is facilitated by dedicated serial port and can be memory resident set.

The system uses two channels simultaneously (full duplex) and needs only one antenna.

**ADV13-B**  
Platform side

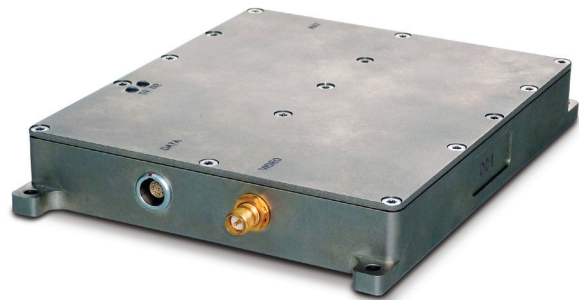


**ADV13-G**  
Monitoring side



- Remote control (uplink) at 870 MHz, using a high performance MSK transceiver. It allows asynchronous data link up to 115 Kbits/s

- Telemetry (downlink) at 1.37 GHz, using wideband-FM video and data transmitter, with enhanced performances of linearity and consumption. It allows asynchronous data link up to 38 Kbit.



## SPECIFICATIONS

### ADV13-B

Frequencies	Tx : 1.37 GHz Rx : 870 MHz
Bandwith @ 1.37 GHza	25 MHz (video)
Tx RF Power (max)	24 dBm
Tx RF channels	3
Tx data rate (max)	38.4 kbps
Receiver Sensitivity @ 870 MHz	- 95 dBm @ 1E-6
Operating Temperature	- 40 to + 65 °C
Weight with enclosure	415 gr
Dimensions (mm)	132 x 67 x 40

### ADV13-G

Frequencies	Tx : 1.37 GHz Rx : 870 MHz
Bandwith @ 870 MHz	250 KHz (data)
Tx RF Power	24 dBm
Tx RF channels	4
Tx data rate (max)	115.2 kbps
Receiver Sensitivity @ 1.37 GHz	- 86 dBm @ 1E-6
Operating Temperature	- 40 to + 65 °C
Weight with enclosure	320 gr
Dimensions (mm)	120 x 104 x 20

