

Instrumentation  
Devices

# Flight Testing Aerospace & Defence

Sensors | Systems | Software | Solutions | Services

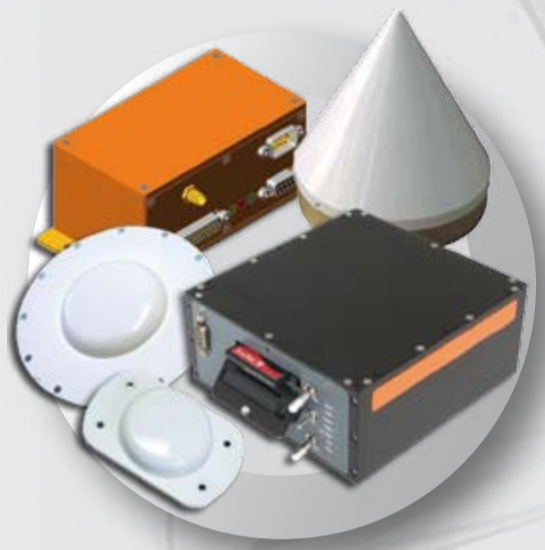


## On board data acquisition & telemetry systems

PCM IRIG 106-ch. 4 or Ethernet based. Signal conditioning, avionics bus monitoring, video/audio, data logging: single unit, master/slave or network distributed systems.

## Airborne and Ground Station data Recorders

High performance IRIG 106 ch.10 solid-state modular solutions for wideband analog signals, PCM streams, Audio, Video, industrial and avionics buses.

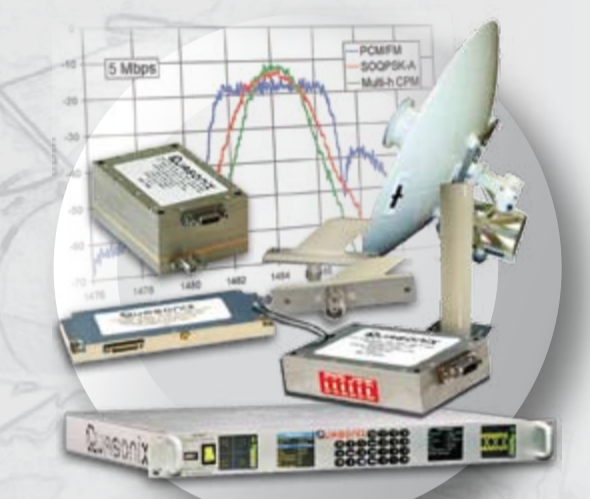


## Ruggedized GPS/GNSS Receivers

on-board and ground antennae, UHF/VHF modems, software and accessories.

## RF Transmitters and Receivers

P, L, S and C band solutions for on board and ground-stations; airborne and ground Antennae. IF demodulators and RF receivers with integrated diversity combiner.



## Ground Station and Telemetry Subsystems

Hardware and software integrated telemetry ground stations. Bit and Frame synchronizers, Smart Source Selectors, data processors, display and analysis software...

## Avionics solutions

Cockpit / mission data recorders, Flight Data Acquisition Units (FDAU), Computer and rugged Displays...



## Inertial Sensors and Systems

Rate-Gyros, Inertial Measurement Units, Vertical-Gyros, Attitude & Heading Reference Systems, Inertial Navigation Systems...

## Data-Link

For Intelligence, Surveillance and Reconnaissance (ISR) and Command & Control.



## Video Equipments

### Acquisition and image processing

Miniature, Rugged and High-Speed video cameras. Format / Scan-Converters, Stroke to Raster units, video Compressors, Data/Time inserters.



## Acoustic Noise Measurement and Certification

Microphones, acoustic probes, signal front-ends and recorders with measurement range higher than 100dB, analysis software...



## Test Rig Instrumentation

for simulation, monitoring, data acquisition, recording and analysis of avionics buses.



## Sensors and Transducers for physical quantities



## Custom Solutions

Designing, manufacturing and integration of hardware/software advanced solutions for special applications.



[www.instrumentation.it](http://www.instrumentation.it)

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