SERPIKOM is a French SME founded in 2006, specializing in the processing of radio frequency signals, from the HF range to SHF (9 kHz to 40 GHz).

SERPIKOM employs 25 people. 100% of the workforce is dedicated to the design, manufacturing and development of electronic systems. It is a center of expertise and research & development made up of a passionate and involved team.

Our mission

Assist the Defense and Security services in carrying out their counter-threat missions

Our expertise

We design and manufacture sensors analysis tools and control centres

Our products

Innovative products dedicated to signal processing, interception of communications and their analysis

The technical application areas are oriented towards communications radio frequency waves (satellite, PMR...) and non-communications radio frequency waves (Radar, radio navigation, radio control, ...) and cover thus:
- Frequencies: E/SHF, H/V/UHF, satellite,
- Features: detection, classification, transmission and jamming,
- Signal processing, VHDL,
- Software development.

The company is located in the South of France, in Aix-en-Provence, in 600m2 of premises dedicated to the development of its products and software, prototyping, testing, industrialization and maintenance of its systems.

MADE IN FRANCE

ISO 9001 2015 CERTIFIED
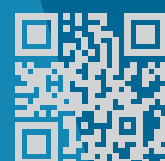
SK | serpikom

430 rue Denis PAPIN
13100 Aix-en-Provence
FRANCE
info@serpikom.eu
www.serpikom.eu

PULSED & COMMUNICATION SIGNALS

SOLUTIONS & PRODUCTS

SK | serpikom

SERPULSE

SERVIEW/ SERPIX/ SERLIB

PULSED SIGNALS

SENSOR   **ANTENNA**

AIR   **LAND**   **SEA**

RECORD AND ANALYSE WIDE BAND PULSED SIGNALS

Serpulse is a state of the art system for recording and analyzing continuous & discontinuous wide band signals and transmitters.

Serpulse was specifically designed for the analysis, test and measurement of pulsed signals. The system is modular and can be easily scaled by the addition of signal processing modules, digitizing boards or receivers.

Typical applications for Serpulse include the detection of illegal spectrum usage in urban environments, coast guard and patrol vessel monitoring of controlled maritime areas as well as tactical ELINT/ESM.

Serview offers the ability to fully remote control multiple sensors with <1Mb/s connection.

KEY FEATURES

- 30 MHz -18 GHz (option for 40 GHz)
- 2 GHz IBW from 500 MHz to 18 GHz (options for additional 1GHz channels)
- SerLink: HQ for remote control of several sensors
- DF technics based on amplitude (Adcock and spinning)
- Very compact
- Recording: I/Q / PDWs
- Smart tools: recording (PDW&I/Qs), Scanning, Library, Offline Analysis.

REMORA Family

SERVIEW/ SERPIX

COMINT   **RECEIVER**

RECORD   **DF**   **Wi-Fi**

LOW-COST   **RUGGED**

AIR LAND SEA   **DRONES**

MULTITASK LOW-COST COMINT

Remora is a range of reliable, compact, rugged and energy-efficient COMINT products based on SDR COTS boards.

Their capacities range from recording to streaming IQ, Wi-Fi & Bluetooth interception, direction finding, geo-location or bandwidth concatenation.

Remora sensors are designed to be placed on the field, as close as possible to the target. They can operate remotely in harsh environments thanks to IP67 integrations, battery power and a single remote control MMI: Serview.

KEY FEATURES

- Frequency coverage Rx / Tx: 30 MHz - 6 GHz
- Bandwidth: selectable between 40 MHz / 200 KHz
- Digitalization max: 50 MIQ/S
- 12 bits digitalization
- Hard disk: 1 To (expandable)
- IP67 Enclosure
- Battery powered

Remora-W (Wi-Fi interception) sensors are subject to R226 regulation

VSATCUBE

SAT   **Ku/Ka BANDS**

PASSIVE   **TACTICAL**

TURN-KEY STATION FOR VSAT INTERCEPTION

VSATCUBE is a VSAT intelligence station performing all operational tasks for searching and intercepting a VSAT communication system.

The downlink of VSAT is mainly used to transport internet access traffic, internet transit traffic or GSM backhaul traffic. We offer a complete interception station, from IP-DVB satellite links characterization to the reconstructed IP traffic: e-mails, web browsing, VoIP communications etc. all in one compact and transportable format, in vehicle or aircraft, deployable in less than an hour. VSATCUBE is a simple and easy way to intercept Internet traffic through satellite links over a territory. It allows you to monitor satellite communications that do not pass through the fixed network of your country.

KEY FEATURES

- Transportable satellite station performing all sat monitoring tasks: characterization; carrier internet IP flow reconstruction; operational analysis
- Small transportable station Quick deploy
- All inclusive operational solution from antenna to workstation
- Full support of DVB-S and DVB-S2 carrier
- VSATCUBE is able to extract IP packets from the DVB-S2 carriers processed by the following manufacturer terminals:
  » iDirect Evolution; iDirect A-TDMA/SCPC (from iDx 3.2); GilatSkyEdge; GilatSkyEdgeII; GilatSkyEdgeIIc; UHP/Estar/Romantis; Hughes; Newtec sat3play; STM-SAT LINK; Comtech (DVB-S2) - Advanced VSAT Solutions
- As well as standards: MPE (Multiprocotol Encapsulation) according to "ETSI EN-301 192 §7"; GSE (Generic Stream Encapsultation) according to "ETSI TS 102 606"

Subject to R226 and export regulation

UVKOM

COMMUNICATIONS   **H/V/UHF**

350+ DECODERS   **COMINT**

TACTICAL   **AIRBORNE**

PASSIVE H/V/UHF COMMUNICATIONS INTERCEPTION

UVKOM is a rugged passive Interception system that intercepts, listens to and stores radio communications.

UVKOM is designed to help authorities to monitor communication networks, to detect and listen to voice and text communications. Two rugged integration versions:

- Ground for manpack and vehicle operations
- MIL-STD-810-G for airborne applications

In association with go2MONITOR, it features the interception of 350+ communication decoders including HF, VUHF, PMR, SAT among others.

KEY FEATURES

- 9kHz - 6GHz frequency coverage
- Up to 20MHz IBW
- Reception, demodulation, decoding and recording according to the supported standards
- Voice decompression in accordance with supported vocoders
- IQ recording, for later replay and listening
- Mission configuration using a dedicated GUI
- Fully compatible and integrated with Procitec go2MONITOR
- Airborne version MIL-STD-810-G qualified

Subject to R226 and export regulation