

# Suricat

3D-accelerometer for short and long-term monitoring



Acquiring the key parameters of ground and structure motion during earthquakes or other excitations, in real time, is an increasing demand.

Suricat is a cost-effective 3D strong-motion accelerometer designed for permanent monitoring of structures: precise enough to provide information of engineering interest, economical to be employed in extended networks.

## Technical Specifications

### 4 channel acquisition system:

- 3 accelerometric channels (x,y,z)
- 1 analog channel

### Sensitivity:

- accelerometric channels:  
0.25 mg (scale:  $\pm 2g$ ) or 0.75 mg (scale:  $\pm 6g$ )
- auxiliary channel:  $\pm 1V$

### Sampling frequency:

- 16 kHz original on all channels
- 256 Hz, 512 Hz or 1024 Hz output

### Synchronization among different units:

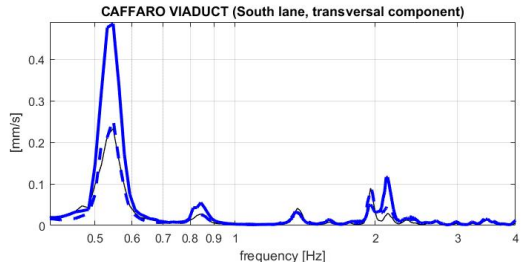
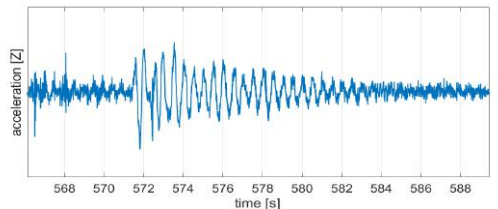
- GPS (external antenna)
- NTP (network time protocol)

### Data access:

- via Ethernet (CAT 5)
- wireless (Bluetooth® or WiFi)

### Power supply:

- Ethernet (Power Over Internet)
- internal battery
- DC plug-in (5V)



*When cost-effective  
does not mean bottom end*

**MOHO**  
SCIENCE & TECHNOLOGY

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