

ViB Nano



ViB-Nano has been designed to fill the niche for a low cost easy to use Vibration Monitor that can be left unattended for long periods of time.

It has two modes of operation:

Interrupt Monitor Mode: The unit will record events that exceed pre-configured levels. When an acceleration level on any of the 3-axis exceed the programmed level, the unit will wake from a deep sleep mode and record the rest of the event. If programmed to do so a sound recording will be made at the same time. The resultant data will be saved as a time stamped event on the internal disk and an event registered in a histogram file giving the time and the maximum vibration (peak vector sum) and maximum sound level if selected. After the event has finished the unit will re-enter deep sleep mode and await further triggers. In this mode there is only a very limited pre-trigger on the accelerometers and no pre-trigger on sound.



Constant Monitor Mode: The unit samples the accelerometer and microphone (if selected) constantly and records events that exceed the trigger levels for both sound and vibration. This is the highest power mode and intended for events that are scheduled. Any length of recording up to the maximum can be recorded and the pre-trigger can be set from 5% to 80%.

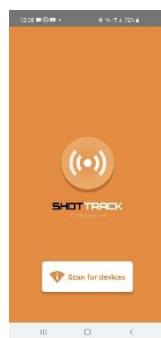
To accommodate the size and cost requirements, the ViB-Nano is powered by a 2450-coin cell that can be replaced by removing the front cover. The operating time for the unit is primarily dependent on which mode it is in and how often and how long the unit is connected to the Phone App. In Interrupt mode, how often the unit is triggered also effects the battery life.

In its primary mode the expectation is that the unit will be activated by the Phone App and left for some extended period; days, weeks and perhaps

months and the record of what has transpired over that period will be uploaded by an operator with the Phone App. It is intended as a record of compliance more than an analytic monitor although the data will be of a high resolution and accuracy.

The unit in this role could be unobtrusively mounted and would only need to be physically accessed to replace the battery. Over the course of its battery operating life the unit can be contacted from as far away as the Bluetooth connection can be made.

ShotTrack App



The ShotTrack App will be the new standard to communicate, download data and configure all new product offerings.

Currently it can configure and upload data into the cloud for the ViB Nano. It will also show graphical data on screen, but you need to download the data from the cloud if you want to do in-depth analysis. When developments progress, reports will be able to be generated directly from the mobile App. Also, if you use the RaC (Remote access Centre) which is basically a phone app and GSM (or satellite if required) you can turn units into a permanent fixture with automated reporting.

Dimensions:

70mm diameter

25mm Height

For size reference this is a Samsung 10

