



# Integrating Imagenex Forward-looking Sonar with HYPACK®

By Lazar Pevac

Imagenex forward looking sonar provides imagery of the underwater scene.

It requires a few things to adjust before you start surveying.

The same dialog is available while you are surveying to allow you to do additional adjustments.

- The sonar **swath** is up to 360 degrees. It is user-configurable in steps of 3 degrees. You can also select the position of the center beam for the swath that is smaller than 360 degrees.
- You can increase update speed by increasing **compression** (1, 2, 3, 4, 8)
- You can select a **range** from 0 to 200m. The bigger range will generate a bigger data set.
- **Gain** parameter (0-100%) will help you to differentiate better surveying object. The value depends on the quality of the dataset.
- There are 16 predefined **color** schemes at your choice.
- **Auto Capture every...:** You can capture the image in geo-tif format. You can do it periodically (like every 5000 ms) or on demand.

The sounder comes with USB adapter that creates a virtual COM port and the device must be connected to this COM port with 115200,N,8.



