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graph LR
    Options[Options  
Title: ALS162_Receiver  
Author: henninMjr  
Output Language: Python  
Generate Options: QT GUI]
    Import[Import  
Import: math]
    Var1[Variable  
ID: samp_rate  
Value: 192k]
    Var2[Variable  
ID: freq_ALS162  
Value: 162k]
    Var3[Variable  
ID: decimation]
    Var4[Variable  
ID: bits]
    QT1[QT GUI Range  
ID: gain  
Label: Receiver Gain  
Default Value: 750  
Start: 1  
Stop: 1k  
Step: 1]
    QT2[QT GUI Range  
ID: diff_gain  
Label: diff_gain  
Default Value: 545  
Start: 1  
Stop: 800  
Step: 1]
    QT3[QT GUI Range  
ID: zoom  
Label: zoom  
Default Value: 4.2k  
Start: 1  
Stop: 25k  
Step: 1]
    QT4[QT GUI Range  
ID: zero_one  
Label: Zero One Threshold  
Default Value: 1k  
Start: 10k  
Stop: 10k  
Step: 1]
    QT5[QT GUI Range  
ID: one_two  
Label: One Two Threshold  
Default Value: 3.5k  
Start: 10k  
Stop: 10k  
Step: 1]
    QT6[QT GUI Range  
ID: threshold_spike  
Label: Spike Threshold  
Default Value: 15k  
Start: 10k  
Stop: 25k  
Step: 100]
    Comp[Complexity: 35.355Mba]

    Options --> Import
    Options --> Var1
    Options --> Var2
    Options --> Var3
    Options --> Var4
    Options --> QT1
    Options --> QT2
    Options --> QT3
    Options --> QT4
    Options --> QT5
    Options --> QT6
    Options --> Comp
  
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The diagram illustrates the configuration and dependencies of the ALS162 Receiver. The central 'Options' box defines the receiver's title, author, output language (Python), and generation options (QT GUI). It is linked to several 'Variable' boxes and 'QT GUI Range' boxes. The 'Variable' boxes specify parameters like sample rate (192k), frequency (162k), decimation, and bits. The 'QT GUI Range' boxes define the ranges for various parameters: gain (1 to 1k), diff\_gain (1 to 800), zoom (1 to 25k), zero\_one threshold (10k to 10k), one\_two threshold (10k to 10k), and spike threshold (10k to 25k). A 'Complexity' box indicates the receiver's complexity is 35.355Mba. Arrows show the flow of information from the options to the variables and GUI ranges.

