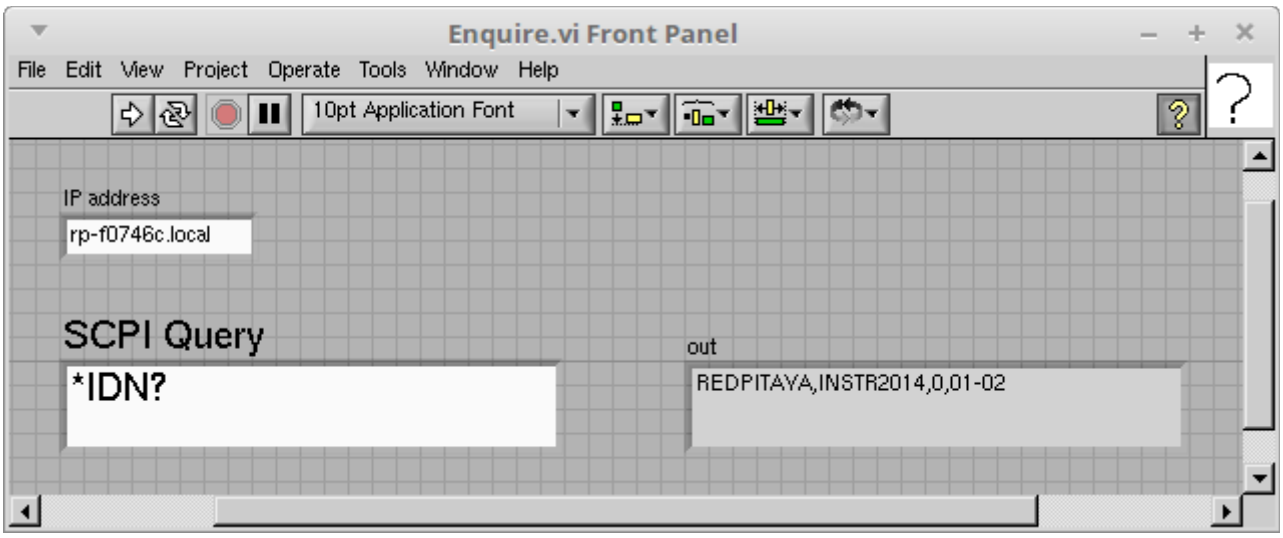
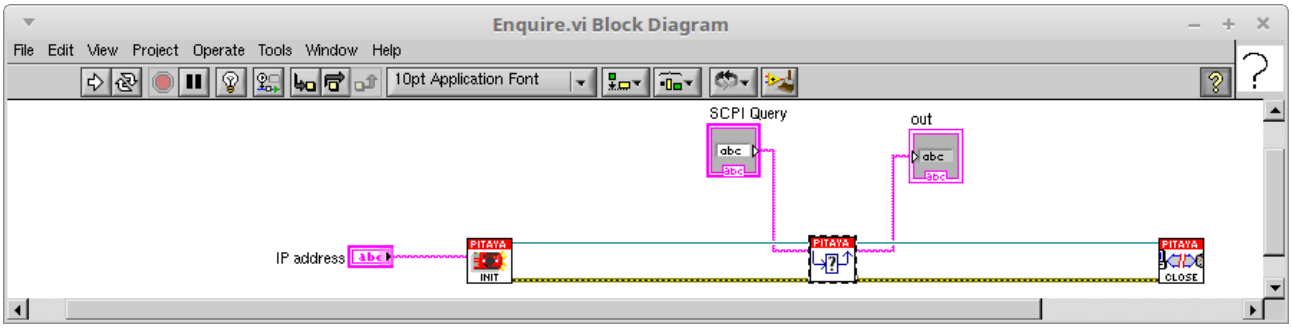
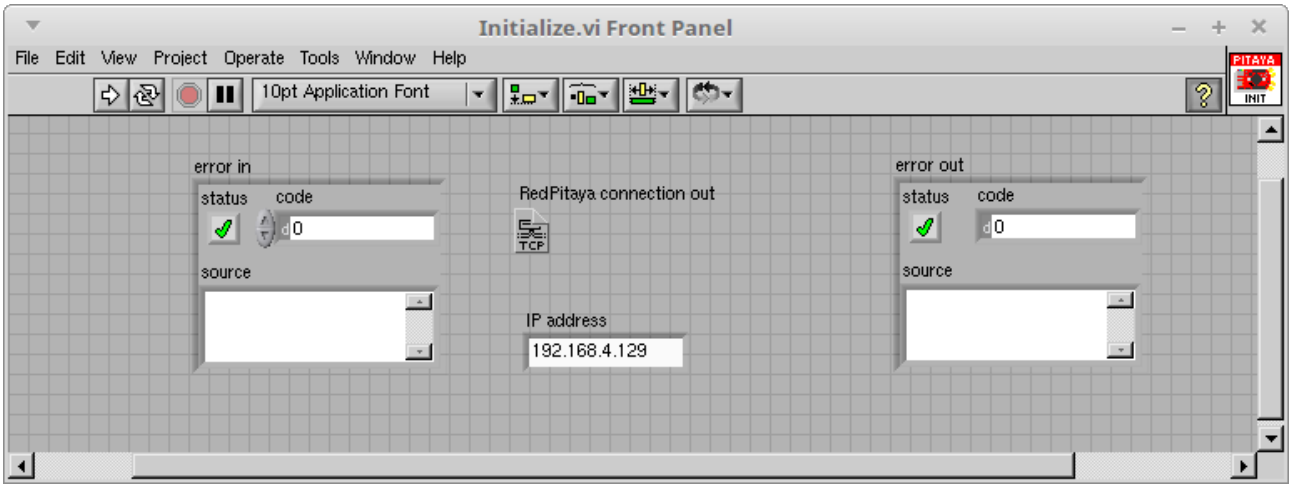
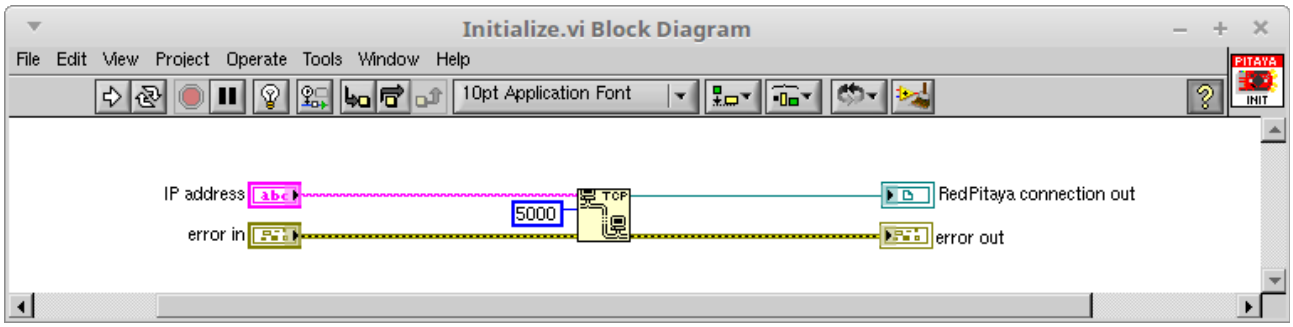
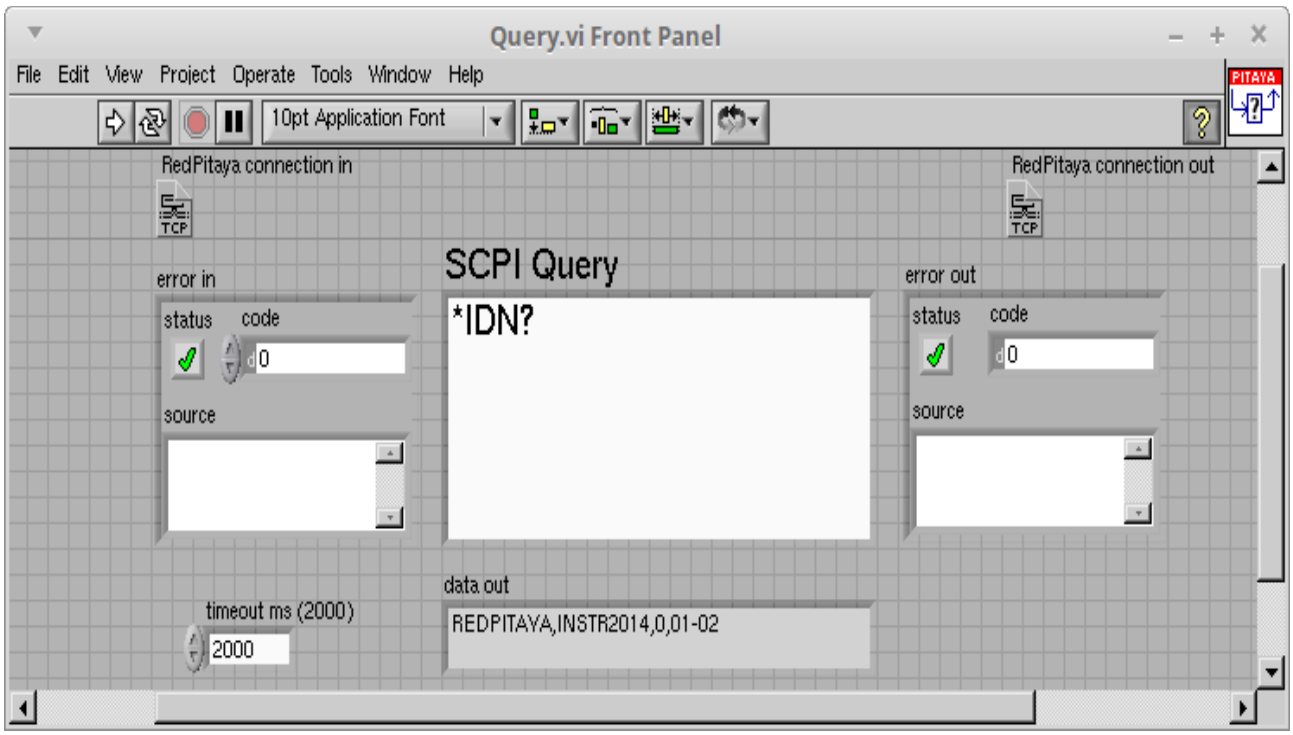
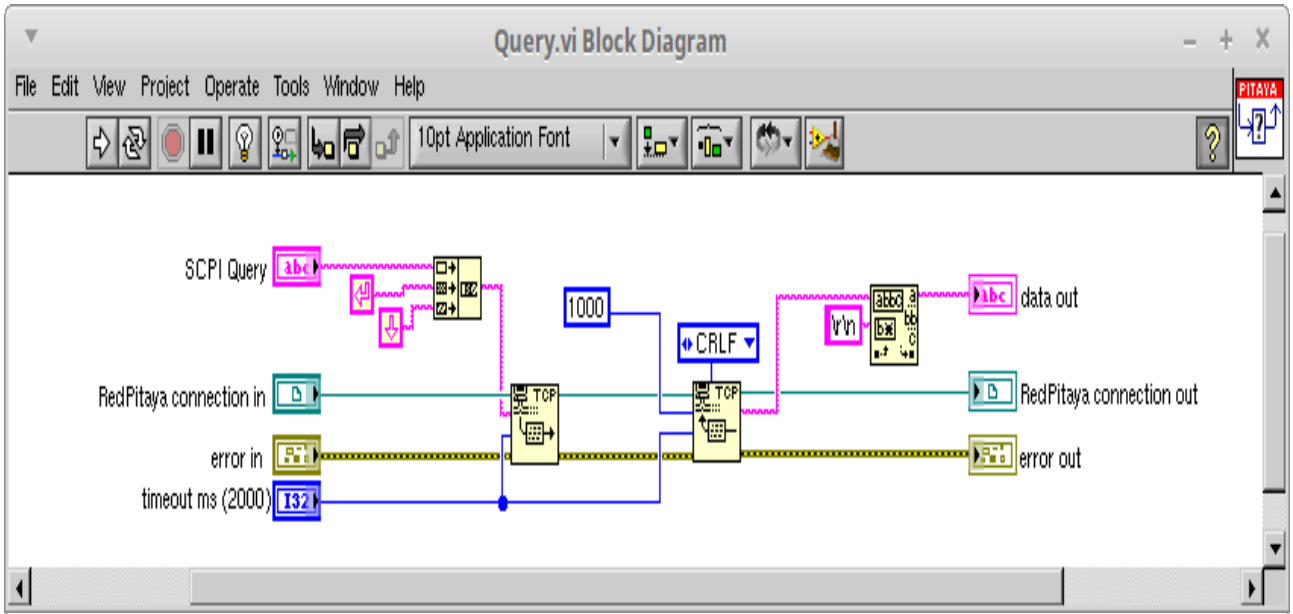

Enquire.vi Front Panel
File Edit View Project Operate Tools Window Help
10pt Application Font
IP address
rp-f0746c.local
SCPI Query
*IDN?
out
REDPITAYA,INSTR2014,0,01-02

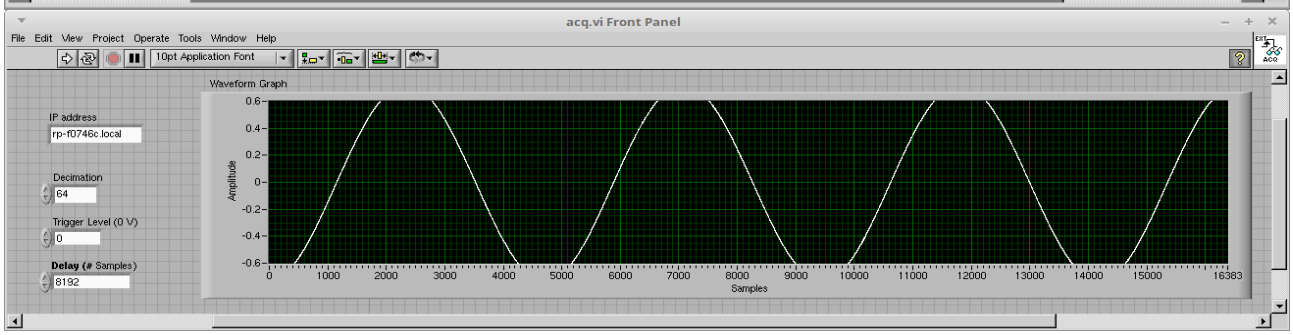

Enquire.vi Block Diagram
File Edit View Project Operate Tools Window Help
10pt Application Font
SCPI Query
out
IP address
PITAYA
INIT
CLOSE

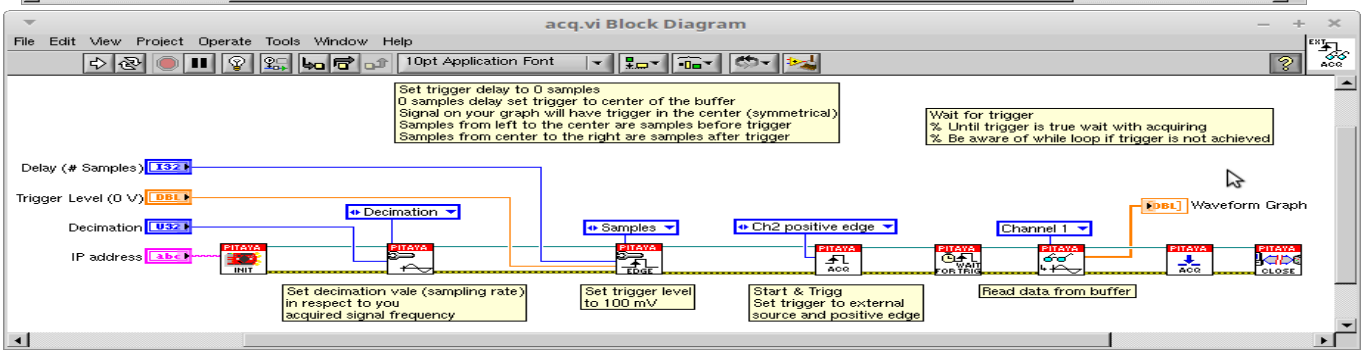

Initialize.vi Front Panel
File Edit View Project Operate Tools Window Help
10pt Application Font
error in
status
code
0
source
RedPitaya connection out
TCP
IP address
192.168.4.129
error out
status
code
0
source


Initialize.vi Block Diagram
File Edit View Project Operate Tools Window Help
10pt Application Font
IP address
error in
5000
TCP
RedPitaya connection out
error out


Query.vi Front Panel
File Edit View Project Operate Tools Window Help
10pt Application Font
RedPitaya connection in
RedPitaya connection out
SCPI Query
*IDN?
error in
status
code
0
source
error out
status
code
0
source
timeout ms (2000)
2000
data out
REDPITAYA,INSTR2014,0,01-02


Query.vi Block Diagram
File Edit View Project Operate Tools Window Help
10pt Application Font
SCPI Query
1000
CRLF
data out
RedPitaya connection in
RedPitaya connection out
error in
error out
timeout ms (2000)


acq.vi Front Panel
File Edit View Project Operate Tools Window Help
10pt Application Font
Waveform Graph
IP address
rp-f0746c.local
Decimation
64
Trigger Level (0 V)
0
Delay (# Samples)
8192
Amplitude
Samples


acq.vi Block Diagram
File Edit View Project Operate Tools Window Help
10pt Application Font
Set trigger delay to 0 samples
0 samples delay set trigger to center of the buffer
Signal on your graph will have trigger in the center (symmetrical)
Samples from left to the center are samples before trigger
Samples from center to the right are samples after trigger
Wait for trigger
% Until trigger is true wait with acquiring
% Be aware of while loop if trigger is not achieved
Delay (# Samples)
Trigger Level (0 V)
Decimation
IP address
Decimation
Samples
Ch2 positive edge
Channel 1
Waveform Graph
Set decimation vale (sampling rate) in respect to you acquired signal frequency
Set trigger level to 100 mV
Start & Trigg
Set trigger to external source and positive edge
Read data from buffer