



## ADALM-PLUTO培训

北京威视锐科技有限公司

V3 Technology (Beijing) Ltd

威视锐旗下品牌:



## 专题四 OSC上位机配置与使用

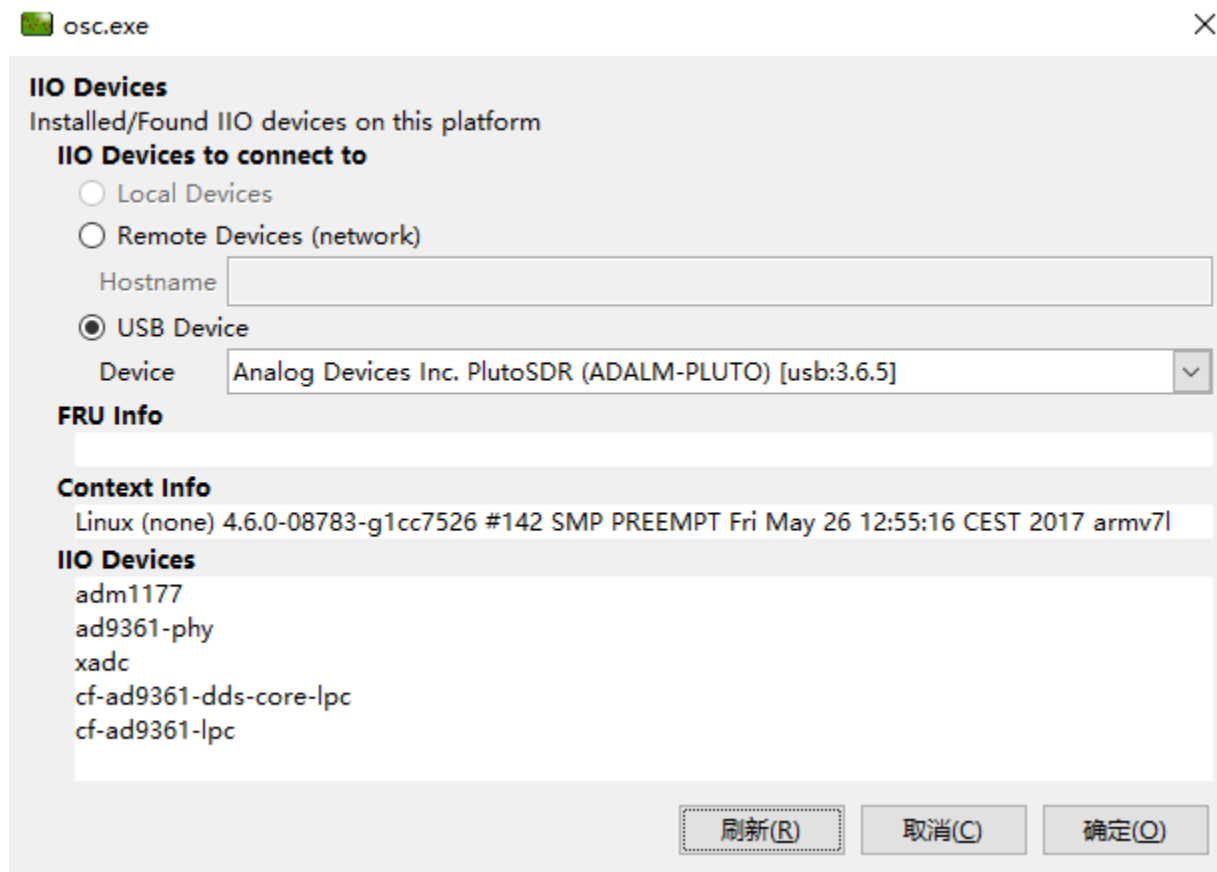
# IIO Oscilloscope

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IIO Scope是ADI公司开发的一款开源Linux应用程序，运行在Xilinx Zynq中ARM Cortex-A9的内核上，能够显示PlutoSDR设备所获取的实时数据。这些数据可以在时域中、频域中或以星座图的形式显示。支持加载各种预先存储的基带调制信号（如QAM、LTE等）循环发射。IIO Scope提供一个图形用户界面，用于更改或读取SDR设备的配置。



## 设备识别:



## 射频配置：

 **AD9361 / AD9364 Receive Chain**

RF Bandwidth(MHz): 18.000 Sampling Rate (MSPS): 30.719999 RX LO Frequency(MHz): 2400.000000 RF Port Select: A\_BALANCED Fastlock Profile: 0 **Tracking**

☐ External RX LO

☒ Quadrature

☒ RF DC

☒ BB DC

Store Recall


**RX 1**

Hardware Gain(dB): 25.00

RSSI(dB): 45.75 dB

Gain Control: fast\_attack

Gain Control Modes: fast\_attack

 **AD9361 / AD9364 Transmit Chain**

RF Bandwidth(MHz): 18.000 Sampling Rate (MSPS): 30.719999 TX LO Frequency(MHz): 2400.000000 RF Port Select: A Fastlock Profile: 0

☐ External TX LO


Store Recall

**TX 1**

Attenuation(dB): 10.00

RSSI(dB): 0.00 dB

## 数据源选择:

 **FPGA Settings**

**Transmit / DDS**

**DMA Buffer**

Sampling Rate (MSPS) 30719999 ▾

**DDS**

**cf-ad9361-dds-core-lpc**

**TX 1**

DDS Mode: Two CW Tones ▾

**Two Tones**

| <b>Tone 1</b>                | <b>Tone 2</b>                |
|------------------------------|------------------------------|
| Frequency(MHz): 0.999858 ▴ ▾ | Frequency(MHz): 2.000186 ▴ ▾ |
| Scale(dBFS): -10 dB ▴ ▾      | Scale(dBFS): -10 dB ▴ ▾      |
| Phase(degrees): 0.000 ▴ ▾    | Phase(degrees): 0.000 ▴ ▾    |

信号显示:

