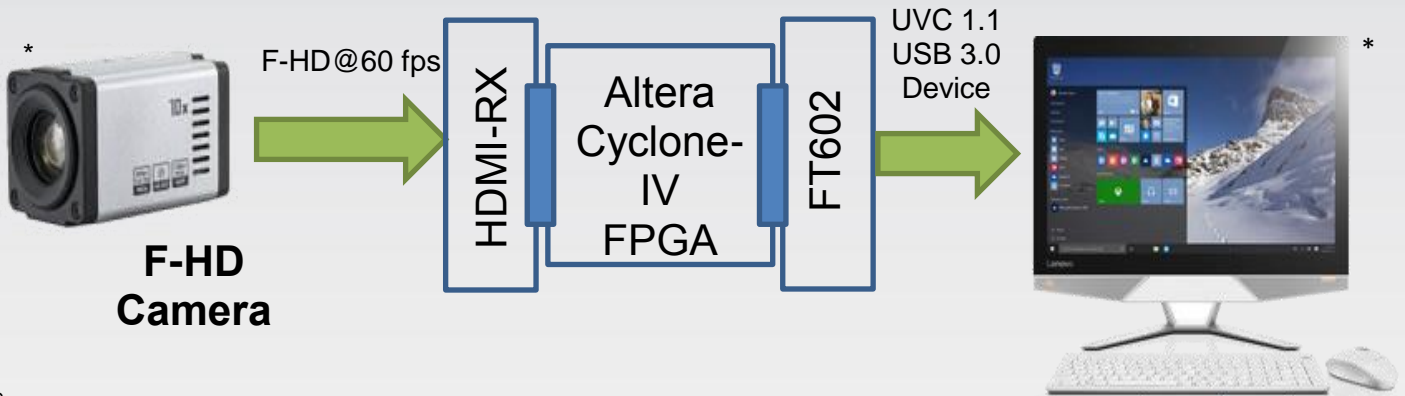


New UVC Class SuperSpeed USB Bridge Demo

New from FTDI Chip is the FT602 UVC Class SuperSpeed USB Bridge device. This device extends the FT60x SuperSpeed series by adding a UVC1.1 class solution to the already successful FT600 and FT601 products. It provides a 32 bit parallel interface to the application hardware and a UVC class USB port, allowing captured data to be transferred.



The DEMO components:

- FT602 SuperSpeed USB bridge
- HDMI to parallel translator (Altera FPGA)
- HDMI receiver IT6605
- Windows PC
- VLC video player application to display the video

The DEMO performance:

- Full-HD streams up to 60 fps (Buffer less)
- Standard USB Video Class (UVC) is natively supported by most operation systems
- Display on any application capable of supporting UVC class streams

The Application

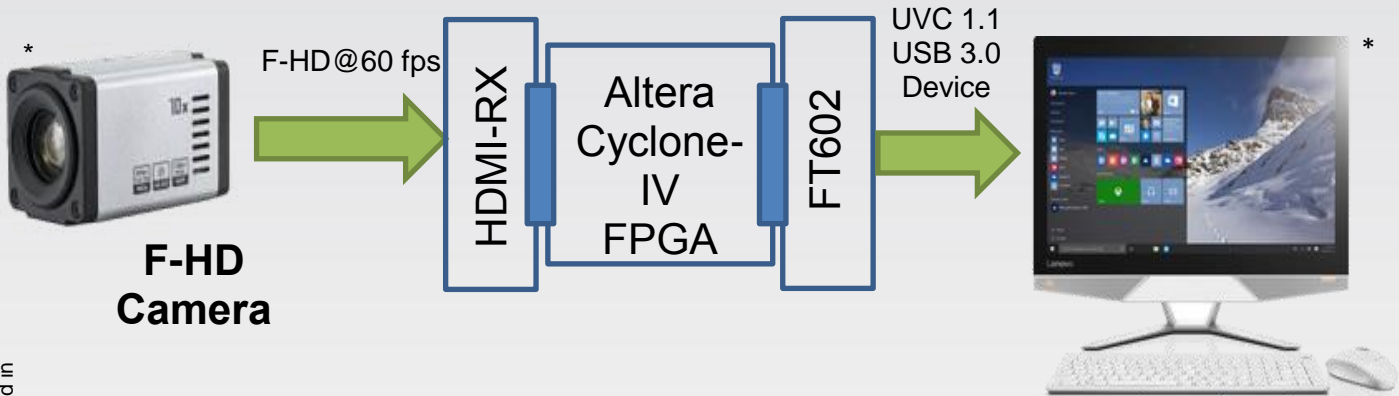
A Full High Definition camera, configured to output 1080p60 video, delivers data over HDMI to the HDMI receiver which is then connected to the Altera FPGA. The received data is formatted in the FPGA and transmitted to the FT602 device over a 32-bit FIFO bus interface using FT600 FIFO bus protocol. The FT602 then delivers UVC class data over USB at 60fps for display on any application capable of supporting UVC class camera devices, e.g. a VLC Player.

FTDI USB Bridge Devices

FTDI offer a vast range of USB bridging solution, including Full speed, Hi-speed and SuperSpeed data rates to many different protocols including UART, SPI, FIFO, and I²C. We also offer solutions for USB hosting as well as peripherals. Information on FTDI USB solutions may be found at: <http://www.ftdichip.com/Products/ICs.htm>

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