EZ-USB™ FX3 BT.1120/LVDS Camera Interface Kit
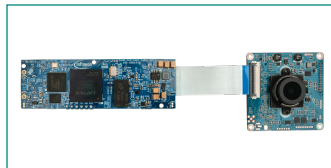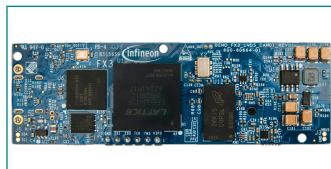
DEMO_FX3_LVDS_CAM01

The DEMO_FX3_LVDS_CAM01 kit demonstrates streaming of USB Video Class (UVC) and USB3 Vision (U3V) videos up to 1080p @60fps from block cameras directly into a PC via the USB-C interface.
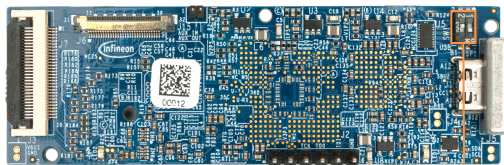
Kit contents

1. EZ-USB™ FX3 BT.1120/LVDS Camera Interface board
2. SuperSpeed USB-C cable
3. DCC-IF9410-3.6-O-13P BT.1120 camera board with lens from ParanTek
4. FPC cable
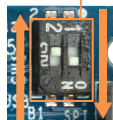5. Quick start guide (this document)
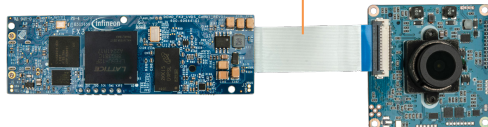6. Kit casing

www.infineon.com/FX3

SW1 in SPI Boot mode

1	Set switch SW1 to SPI mode

FPC cable

2	Camera module connection to the kit

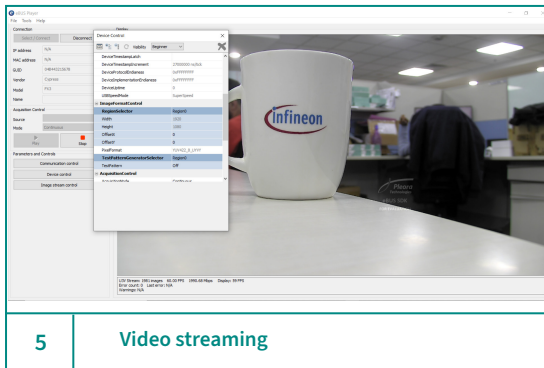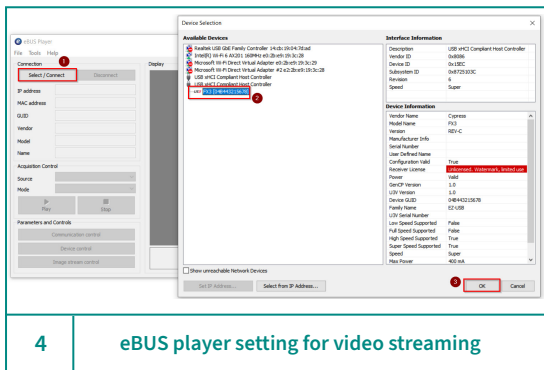| 3	Kit connection with PC

Before you start

1. Ensure that you have a PC with the following:
   – Windows 10 with USB 3.1 Gen 1
   – 1.0 GHz or higher CPU clock
2. Download and install **Pleora eBUS Player**.
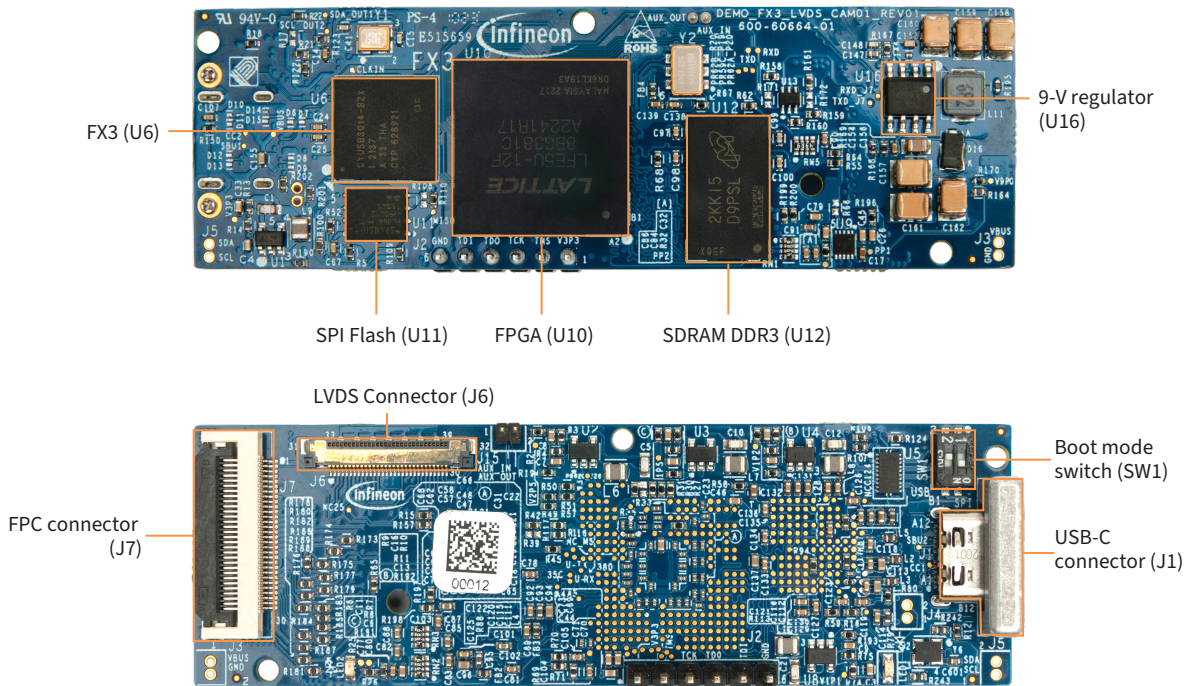
Step 1: Hardware setup

1. Ensure that the switch SW1 on the kit is set to boot in SPI mode. Move SW1 pin 1 to ON position and pin 2 to OFF position.

2. Connect the BT.1120 block camera module to the FPC interface connector (J7) using FPC cable.

3. Connect the kit with the PC using the USB-C cable.

| 4 | eBUS player setting for video streaming |

Step 2: U3V streaming from BT.1120 block camera

1. Open the eBUS Player app.
2. Click **Select/Connect** from eBUS Player..
3. Verify that FX3 is detected as shown and click **OK**.
4. Click **Play** to stream the video. .

| 5 | Video streaming |

EZ-USB™ BT.1120/LVDS Camera Interface Kit

FX3 (U6)

9-V regulator (U16)

SPI Flash (U11) FPGA (U10) SDRAM DDR3 (U12)

LVDS Connector (J6)

FPC connector (J7)

Boot mode switch (SW1)

USB-C connector (J1)

For additional details, see the kit guide available at infineon **kit webpage**.