EZ-USB™ FX5 Development Kit
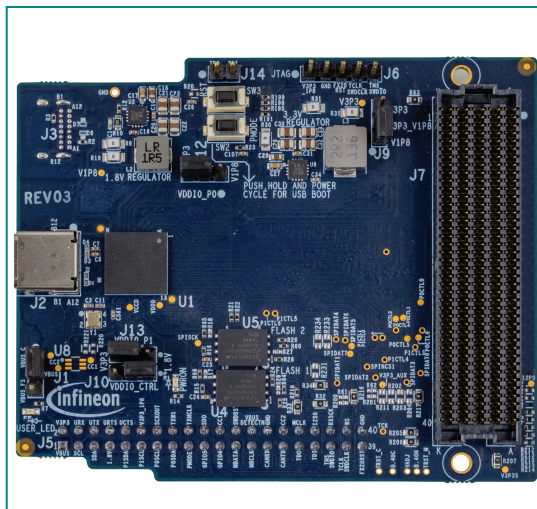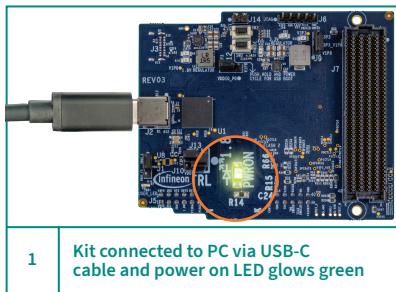
KIT_FX5_FMC_001

Kit contents

1. EZ-USB™ FX5 DVK
2. USB-C cable

3. Quick start guide (this document)

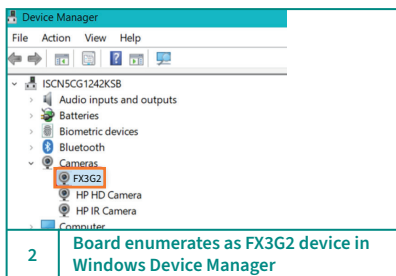| 1 | **Kit connected to PC via USB-C cable and power on LED glows green** |

Before you start

1. Ensure that you have a PC with USB-C port that supports USB 3.2 Gen 1 or higher data transfer.
2. Ensure that the jumpers are set to the following:

Jumper	Position
J1	1-2
J9	1-2
J10	1-2
J12	2-3
J13	2-3

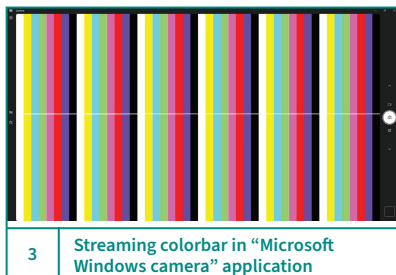| 2 | **Board enumerates as FX3G2 device in Windows Device Manager** |

Step 1: Connect and power up the board

Connect the kit connector (J2) to the PC using the USB-C cable provided with the kit. The power on LED glows green when connected.

Step 2: EZ-USB™ FX5 enumeration

Driver installation starts automatically, wait for the driver installation to complete. The board enumerates as **FX3G2** device under Cameras in **Windows** ->**Device Manager** application.

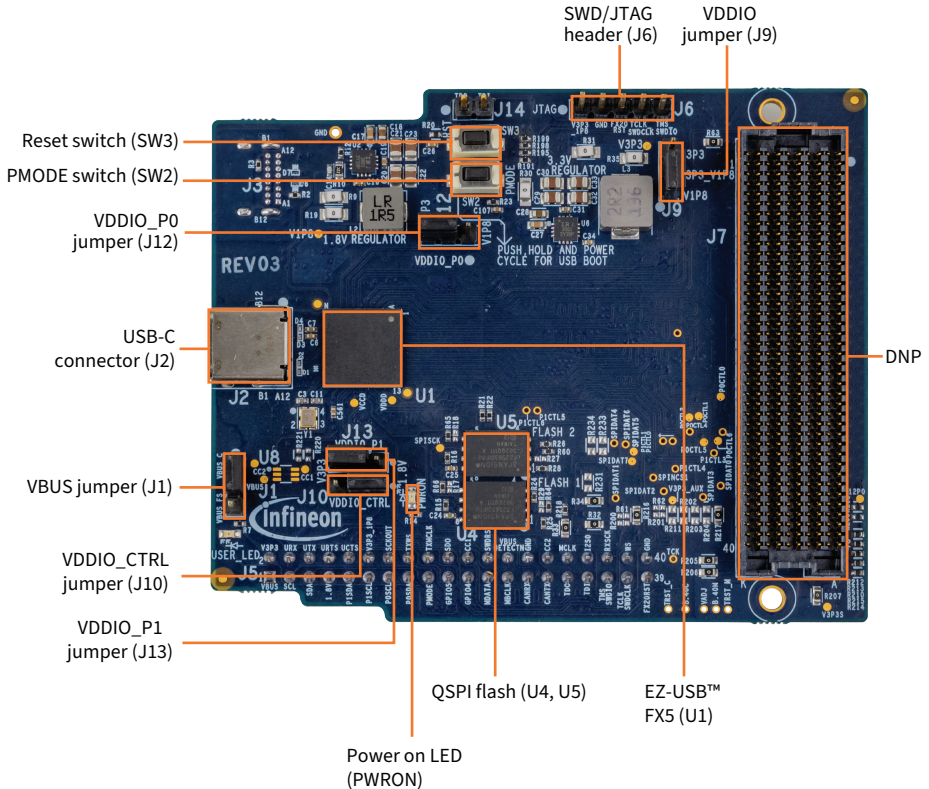| 3 | **Streaming colorbar in "Microsoft Windows camera" application** |

Step 3: Stream UVC video from FX5

The kit comes pre-loaded with internal pattern generator firmware, enabling users to stream a 4K colorbar video from FX5 to any UVC streaming application.

1. Open any UVC video player, such as **Microsoft Windows camera** application in Windows.
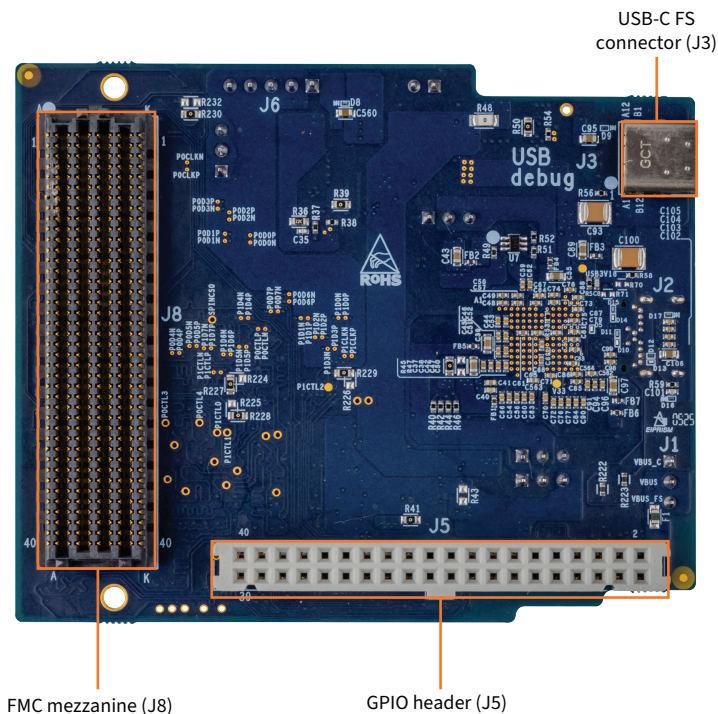2. Click the flip camera button.
   The 4K colorbar streams at around 30 fps on the video player.

For more details, refer the kit user guide.

KIT_FX5_FMC_001 (top view)

SWD/JTAG header (J6)

VDDIO jumper (J9)

Reset switch (SW3)

PMODE switch (SW2)

VDDIO_P0 jumper (J12)

USB-C connector (J2)

DNP

VBUS jumper (J1)

VDDIO_CTRL jumper (J10)

VDDIO_P1 jumper (J13)

QSPI flash (U4, U5)

EZ-USB™ FX5 (U1)

Power on LED (PWRON)

KIT_FX5_FMC_001 (bottom view)

USB-C FS connector (J3)

FMC mezzanine (J8)

GPIO header (J5)

See the kit guide available at www.infineon.com/FX5 for more details.