



Videology®

Industrial-Grade Cameras

an inTEST Company

Software Development Kit (SDK)

SFT-07019-SDK Preliminary

Product Features

- SDK user documentation in HTML format
- Example code in C++
- *Vidiface.h* - source interface header file
- *Vidprop.h* - definitions required to support adjusting camera properties
- *Videologyplugin.ax* - AVStream driver COM interface
- *Vidousb.sys* - Device driver
- *Videousb.inf* - Windows driver information file
- *Vidusb2.exe* - Stand alone viewer application



General Overview

This SDK covers two different Videology camera families. The 20/21KXXUSB-C family of cameras has 1/4 " CCD sensors, 380,000 or 250,000 pixels in NTSC or PAL resolution. The 24XX.3XUSB family has a 1.3 Megapixel CMOS sensor with a maximum resolution of 1280x1024. Although both families use the same Windows driver, the feature set is somewhat different.

The driver that supports these cameras, *vidousb.sys*, is an AVStream driver that is exposed for your use as a DirectShow capture filter. Programs will use it by creating a DirectShow filter graph and adding our filter, and then using standard DirectShow APIs to control it.

The SDK covers the methods for accomplishing the following in your custom application.

- Finding your Videology camera
- Displaying camera property pages
- Controlling a USB camera
- Managing common settings
- Changing the image size, aspect ratio, frame rate etc.
- Capturing snapshots

Software Requirements

- Microsoft Platform SDK
- C++ compiler

Supported Cameras

- | | | |
|------------------|----------------------|-------------------|
| • 20/21B14XUSB | • 20/21K45XUSB | • 24C7.3XUSB |
| • 20/21C11XUSB | • 20/21K75XUSB-C-1 | • 24C7.3XUSB-F |
| • 20/21C20XW-USB | • 20/21K758USB-SYS-1 | • 60V002USB-C |
| • 20/21C21XWUSB | • 24B1.3XUSB-C | • 60V002USB-C-3.3 |
| • 20/21K35XUSB | • 24C1.3XUSB | |

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