USB3 Neo Interface board



FOR SONY FCB-EV, FCB-EH range



New TWIGA compact USB3 Neo interface board

Twiga USB3 Neo converts the native LVDS video signal from Sony camera blocks to USB3 standard.

You will take advantage of new visualization, processing and image transfer solutions by using the USB3 streaming possibilities.

Plug & Play LVDS to USB3 solution



A simple USB3 cable is enough to power, to control and to stream HD video from the camera. This enables easy implementation of image capture solutions on most devices with a USB3 port (single board computers, NVidia platforms or PC using Windows or Linux OS).

Uncompressed video stream

Twiga USB3 Neo provides uncompressed UVC compliant video stream. This enables you to use standard application (i.e VLC, Amcap, Windows camera) for image capture, recording & viewing. It also allows to develop custom application and image processing based on DirectShow, GStreamer or OpenCV.

Add-on connector for extended functions

A board-to-board connector available on the back side of the USB3 module will allow you to plug-in additional boards to get more capabilities (i.e **Sony FCB 4K camera compatibility**), to implement your own functions (i.e Sync information, strobe pulse, external trigger, accelerometer).

FEATURES

- o Super speed USB 3.2 Gen 1
- o Uncompressed HD video
- o Video resolution up to 1080p60
- o USB Video Class (UVC) Compliant
- o Communication
 - USB CDC (COM port / tty)
 - VISCA camera control via local UART
 - GPIOs for keypad connection
- o External power supply 6V-12VDC *
- o Support Windows and Linux OS

^{*}Refer to camera technical manual for max power supply input



Onboard Connectors





