## **USB3** Neo interface board

### FOR LVDS zoom block cameras





#### New TWIGA compact USB3 Neo interface board

Twiga USB3 Neo converts the native LVDS video signal from zoom bock cameras 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



Plug

## **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)
  - o VISCA camera control via local UART
  - o GPIOs for keypad connection
- Camera external power supply 6V-12VDC \*
- o Supports Windows and Linux OS

#### Uncompressed video stream

or PC using Windows or Linux OS).

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 **4K camera compatibility**), to implement your own functions (i.e Sync information, strobe pulse, external trigger, accelerometer).

# TARGET APPLICATIONS OF THE PROPERTY OF THE PR

<sup>\*</sup>Refer to camera technical manual for max power supply input

# Onboard Connectors





