4K to USB3 interface board

SONY FCB-ER series, FCB-ES8230 and latest FCB-EW9500H





The new compact TWIGA 4K to USB3 interface board is a high-performance USB3 SuperSpeed video capture module.

It allows you to capture uncompressed video stream from Sony 4K camera blocks and transmit it over a single USB3 cable. A simultaneous HDMI output is also available to display the 4K video on a monitor.

TWIGA 4K to USB3 supports up to 3840×2160p@30fps video resolution.

FEATURES

- o Uncompressed 4K video stream
- o Video resolution up to 2160p30
- o USB Video Class (UVC) compliant
- Communication
 - USB CDC (COM port / tty)
 - VISCA camera control via local UART
 - GPIOs for keypad connection
- Supports Windows and Linux OS
- o HDMI 2.0 output
- Camera external power supply 6V-12VDC *

Plug & Play 4K to USB3 solution



Twiga 4K to USB3 interface board provides uncompressed UVC compliant video stream. A simple USB3 cable is enough to power, to control and to stream 4K on most devices equipped with a USB3 port (single board computers, NVidia platforms or PC using Windows or Linux OS).

Simultaneous HDMI video output

Twiga 4K to USB3 interface board enables to get a simultaneous USB & HDMI 4k video stream. Ideal for digital inspection, UAVs or medical applications that require simultaneously video display and image processing.

Camera control

You can control your camera settings remotely from your computer via the single USB3 cable or using the local UART. GPIOs for basic camera commands are also available.



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

Onboard Connectors





