Link do produktu: https://www.wamm.pl/magewell-usb-capture-sdi-4k-plus-p-2218.html

Magewell USB Capture SDI 4K Plus

Cena brutto	**2 597 zł**
Cena netto	**2 111 zł**
Dostępność	**Zapytaj o dostępność**
Kod producenta	**32100**
Producent	**Magewell**

Opis produktu

USB Capture SDI 4K Plus

One channel 4K capture device

- Capture SD/HD/3G/2K/6G SDI + embedded audio
- Loop-through SD/HD/3G/2K/6G SDI
- Audio input via Line in
- Extract SDI embedded audio and output via Line out

Tech Specs

Supported OS

- Windows
  - Windows 7/8/8.1/10/Server 2008/Server 2008 R2/Server 2012/Server 2016 (x86 & x64)

- Linux (support x86, x64 & ARM architecture)
  - Ubuntu 12.04/14.04/16.04/17.04/17.10 (x86 & x64)
  - CentOS 6.5/7 (x86 & x64)
  - Fedora 25/26/27 (x86 & x64)
  - Red hat 6.5 and above (x86 & x64)
  - Other Linux OS with kernel version 2.6.35 and above
- Mac
  - OS X 10.9/10.10/10.11
  - macOS 10.12/10.13
- Chrome OS

Recommended OS (tested)

- Windows
  - Windows 7 Ultimate/8.1 Enterprise/10 Enterprise/Server 2008 R2 DataCenter/Server 2012 R2 DataCenter/Server 2016 R2 DataCenter (x86 & x64)
- Linux
  - Ubuntu 12.04/14.04/16.04 (x86 & x64)
  - Ubuntu 17.04/17.10 (x64)
  - CentOS 6.5/7.2 (x86 & x64)
  - Fedora 25/26 (x64)
  - Red hat 6.5 (x86 & x64)
- Mac
  - OS X 10.9.5/10.10/10.11.2/10.11.3/10.11.4
  - macOS 10.12/10.13.2/10.13.3

Supported APIs

- Windows
  - DirectShow
  - Wave API/DirectSound/WASAPI
- Linux
  - V4L2
  - ALSA
- OS X/macOS
  - QuickTime
  - AV Foundation

Supported Software

- VLC
- VirtualDub
- OBS
- XSplit
- vMix
- VidBlaster
- Wirecast
- Microsoft Media Encoder
- Adobe Flash Media Encoder
- Any other DirectShow, V4L2, QuickTime,AV Foundation based encoding or streaming software

Input Interfaces

- BNC
  - SD/HD/3G/6G SDI
- 3.5mm audio jack
  - unbalanced Line In interface

Host Interfaces

- USB 3.0
    - compatible with USB 2.0
    - compatible with USB 3.1 Gen 1

Output Interfaces

- 3.5mm audio jack
    - unbalanced Line Out interface

Loop-through Interface

- BNC
    - SDI loop-through interface

Input Features

- Support for up to 4096×2160 input resulution

SDI Specific Features

- Integrated cable equalizer supporting cable lengths up to 150M for 3G-SDI signals
- Support for SD/HD/3Ga/3Gb/3Ga-DL/3Gb-DS/6G (SMPTE 2081) standards
- Support for 2K (2048×1080) & 4K (4096×2160) mode
- Support for RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2 color sampling
- Support for 10/12-bit color depth
- Support for extraction of SMPTE 352 payload identifier
- Support for up to 8 (mono) audio channels at 48KHz
- Support for extraction of audio formation information & channel status data
- Limited support of 3Gb-DS: only the first stream can be captured
- Limited support for capture of the first link of dual link interfaces:
    - YCbCr 4:2:2 10-bit 1080p 50/59.94/60: captured as 1080i 50/59.94/60
    - YCbCr 4:4:4 10-bit: captured as 4:2:2
    - RGB 4:4:4: R/B sub-sampled

Analog Audio Features

- Extract the embedded SDI audio and output via 3.5mm unbalanced Line out
- Capture analog audio via 3.5 mm unbalanced Line In interface

Video Capture format

- Support for capture resolutions up to 4096×2160
- Support for capture frame rates up to 120fps (Actual capture frame rate can be limited by the USB bandwidth and internal working frequency. Typical capture frame rates on the Intel USB 3.0 controller are as follows.)
    - 1920×1080 YUY2 (up to 90fps)
    - 3840×2160 NV12 (up to 30fps)
- Support for NV12 & I420 4:2:0 8-bit (up to 4096×2160)
- Support for YUY2 & UYVY4:2:2 8-bit (up to 4096×2160)
- Support for RGB24 & RGB32 4:4:4 8-bit (up to 2048×2160)
- The default capture formats are YUY2 & NV12. More

capture format can be set using USB Capture Utility.

Video Processing Features

- Video processing pipelines with 640 Mpixels/s processing bandwidth
- Video cropping
- Video scaling
- Video de-interlacing
    - Weave
    - Blend top & bottom field
    - Top field only
    - Bottom field only
- Video aspect ratio conversion
    - Auto or manual selection of input aspect ratio
    - Auto or manual selection of capture aspect ratio
    - Three aspect ratio conversion modes: Ignore (Anamorphic), Cropping or Padding (Letterbox or Pillarbox)
- Video color format conversion
    - Auto or manual selection of input color format & quantization range
    - Auto or manual selection of capture color format, quantization range & saturation range
    - Support for RGB, YCbCr 601, YCbCr 709 color formats
    - Support for Limited or Full quantization range
    - Support for Limited, Full & 'Extended gamut' saturation range
- Video frame rate conversion
- Vertical flip and mirror

Multiple devices on one computer

- Support for connecting multiple USB devices to one system
- Support for setting the device serial number as the device name shown in the system using USB Capture Utility

SDK

- The USB Capture SDK provide functions including signal status extraction, capture configuration, etc.

Firmware Upgrade

- Multiple devices in one system can be upgraded simultaneously

LED Indicator

- Status LEDs indicate the working state of each channel: idle, input signal locked, memory failed or FPGA configuration failed.

Form Factor

- 110.7mm (L) x 56.8mm (W) x 17mm (H)

Accessories

- USB3.0 cable

Power Consumption	
	- 5V max current: ~0.86A - max power consumption ~4.3W

Working Environment	
	- Operating temperature: 0 to 50 deg C - Storage temperature: –20 to 70 deg C - Relative Humidity: 5% to 90% non-condensing

Magewell

Magewell was founded in 2011 as an R&D center and manufacturer of video capture devices. We have been breaking boundaries ever since, expanding our technologies to live streaming, encoding and playout as well as embedded systems for video processing. Our solutions are widely deployed around the world for applications including live streaming, broadcast production, video conferencing, lecture capture, medical imaging, security, machine vision, gaming, virtual reality production and many more.

In addition to empowering end-users, our products are also incorporated into a wide range of third-party solutions on an OEM basis by other industry-leading manufacturers. Our products are available globally through our valued channel partners including distributors, resellers and systems integrators.