

Link do produktu: <https://www.wamm.pl/magewell-pro-capture-hdmi-4k-jednokanalowa-karta-przechwytujaca-4k-p-2192.html>



Magewell Pro Capture HDMI 4K | Jednokanałowa karta przechwytyjąca 4K

Cena brutto	2 492 zł
Cena netto	2 026 zł
Dostępność	Zapytaj o dostępność
Kod producenta	11120
Producent	Magewell

Opis produktu

Magewell Pro Capture HDMI 4K

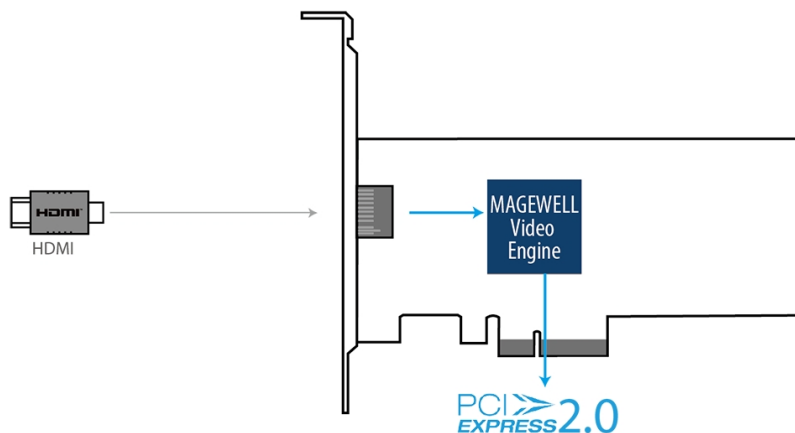
Jednokanałowa karta przechwytyjąca 4K

Magewell Pro Capture HDMI 4K to wydajna karta przechwytyjąca PCIe o niskim opóźnieniu. Przechwytyuje sygnały HDMI z osadzonym dźwiękiem i obsługuje rozdzielczość do 4096×2160 pikseli.

Modele Pro Capture automatycznie wykrywają format sygnału wejściowego, zapewniając niezawodne, wysokiej jakości przechwytywanie wideo i audio dla profesjonalistów wideo, integratorów systemów oraz deweloperów OEM. Ponadto cechują się przetwarzaniem wideo opartym na FPGA Magewell, które nie obciąża procesora, zapewniając wysokiej jakości konwersję w górę/w dół oraz regulację obrazu bez zużywania cennej mocy obliczeniowej systemu hosta.

Urządzenia Pro Capture obsługują systemy operacyjne Windows, Linux i macOS – w tym architektury x86, x64 oraz ARM – i oferują szeroką kompatybilność z popularnym oprogramowaniem do streamingu, produkcji na żywo, konferencji internetowych, nagrywania wykładów, współpracy oraz obrazowania medycznego. Magewell MWCapture SDK zapewnia zarówno ogólne interfejsy, jak i niestandardowe API na wszystkich platformach systemowych, pomagając deweloperom w pełni wykorzystać możliwości sprzętu Magewell i osiągnąć niższe opóźnienia, wielostrumieniowe przechwytywanie oraz synchronizację AV w wielokanałowym lub nawet wielokartowym przechwytywaniu.

Magewell Pro Capture HDMI 4K to doskonałe rozwiązanie do przechwytywania wysokiej jakości sygnałów wideo i audio, idealne dla wymagających profesjonalistów.



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

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
 - DirectKS
 - Wave API/DirectSound/WASAPI
- Linux
 - V4L2
 - ALSA

Supported Software

- VLC
- VirtualDub
- OBS
- XSplit
- vMix
- VidBlaster
- Wirecast
- Microsoft Media Encoder
- Adobe Flash Media Encoder
- Any other DirectShow/V4L2 encoding/streaming software

Input Interfaces

- HDMI
 - DVI-D 1.0
 - HDMI 1.4

Host Interfaces

- PCIe Gen2 x4

Input Features

- Support for input video resolutions up to 4096×2160 pixels

HDMI Specific Features

- 297MHz HDMI receiver
- Adaptive HDMI equalizer
- Support for customized EDID
- Support for extraction of AVI/Audio/SPD/MS/VS/ACP/ISRC1/ISRC2/Gamut InfoFrames
- Full colorimetry support
- Support for 8-bit signals that use RGB/YUV 4:4:4 color sampling at pixel rate no more than 297MHz
- Support for 12-bit signals that use YUV 4:2:2 color sampling at pixel rate no more than 297MHz
- Support for 10/12-bit signals that use RGB/YUV 4:4:4 color sampling at pixel rate no more than 170MHz
- Support for extraction of audio formation information & channel status data
- Support for extraction of video timing information
- Support for extraction of 3D format information
- Support for extraction of Sony/Canon DSLR time code
- Support for Side-by-Side Half, Top-and-Bottom, Frame Packing 3D mode

Video Capture Formats

- Support for capture image resolutions up to 4096×2160 pixels
- Support for capture frame rates up to 144fps. (Actual capture frame rate can be limited by PCIe bandwidth & image resolution)
- Support for 4:2:0 8-bit capture formats: NV12, I420, YV12
- Support for 4:2:2 8-bit capture formats: YUY2, YUYV, UYVY
- Support for 4:4:4 8-bit capture formats: V308, IYU2, V408, BGR24, BGR32
- Support for 4:4:4 10-bit capture formats: V410, Y410
- More capture formats are supported via Pro Capture SDK for DirectKS

Video Processing Features

- Two video processing pipelines with ~360Mpixels/s processing bandwidth for each one
- Full 10-bit video processing
- 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, YCbCr 2020 color formats
 - Support for Limited or Full quantization range
 - Support for Limited, Full & 'Extended gamut' saturation range
- Video frame rate conversion
- Video OSD composition
 - Support for PNG OSD image (up to 4096×2160)
 - Support for dynamic loading of RGBA OSD image via SDK

Multiple Cards per System

- Support for multiple cards plugged to one system
- On-board rotary switch to set card number, with 16 positions from 0 to F
- System hardware device tree will display "01: Pro Capture HDMI 4K" when rotary switch is set to 1, and so on
- The video and audio device names displayed in your software will include the card number (set by the rotary switch)

Multiple Capture Streams

- Unlimited capture streams for any one input channel
- Independent cropping, aspect ratio, color format, resolution, frame rate, de-interlacing and color adjustment settings for each individual stream

Ultra Low Latency Support

- Latency of 64 video lines
- Partial notification mode in SDK

Timestamp & A/V Synchronization

- Hardware based 100ns high resolution clock
- Audio frames (192 audio samples) & video frames are stamped with hardware clock
- Hardware clock can be synchronized across cards (via SDK)

Video Capture SG-DMA

- ~1200MB/s per channel DMA bandwidth in PCIe 2.x system
- ~800MB/s per channel DMA bandwidth in PCIe 1.x system
- Support for auto detection of Intel tiled GPU surface
- Support for DirectGMA for AMD video adapter chipsets
- Support for GPUDirect for Nvidia video adapter chipsets

SDK

- Pro Capture SDK for DirectShow for easy integration (Windows)

- Pro Capture SDK for DirectKS for maximum flexibility & performance (Windows)

Windows Driver Tweaks

- All options can be controled by three levels of registry key: global level, product level and device level
- Video,Audio, Crossbar filter names can be customized via registry keys

Firmware Upgrade

- Multiple cards in one system can be upgraded simultaneously
- Cards can be upgraded without a system power shutdown (In most cases, even a reboot is not needed)

LED Indicator

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

Form Factor

- Low profile PCIe x4 Add-on Card
- 92.76mm x 68.88mm (without PCI bracket)

Power Consumption

- Max current at 12V: ~ 0.41 A
- Max current at 3.3V: ~ 0.18 A
- Max power consumption: ~ 5.44 W

Working Environment

- Operating temperature: 0 to 40 deg C
- Storage temperature: -20 to 70 deg C
- Relative Humidity: 5% to 90% non-condensing