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Link do produktu: https://www.wamm.pl/magewell-pro-capture-hdmi-4k-plus-lt-jednokanalowa-karta-przechwytujaca-4k-p-2194.html



# Magewell Pro Capture HDMI 4K Plus LT | Jednokanałowa karta przechwytująca 4K

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| Cena brutto | **4 622 zł** |
| Cena netto | **3 758 zł** |
| Dostępność | **Zapytaj o dostępność** |
| Kod producenta | **11152** |
| Producent | **Magewell** |

## Opis produktu

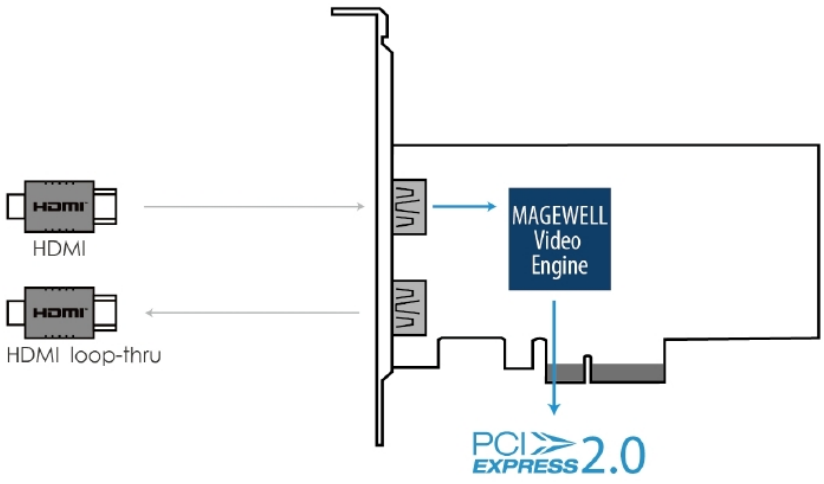
### Magewell Pro Capture HDMI 4K Plus LT

**Jednokanałowa karta przechwytująca 4K**

Magewell Pro Capture HDMI 4K Plus LT to jednokanałowa karta przechwytująca 4K PCIe o wysokiej wydajności i niskim opóźnieniu, z dodatkowymi funkcjami przepustowości. Ta karta PCI 4K przechwytuje sygnały HDMI z osadzonym dźwiękiem i obsługuje rozdzielczość wejściową do 4096×2160 pikseli. Karta posiada wyjście Loop-through co umożliwia wypuszczenie sygnału HDMI z osadzonym dźwiękiem na zewnętrzny ekran.

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 regulacje 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.



## Tech Specs

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| Supported OS | • Windows<br>  ◦ Windows 7/8/8.1/10/Server 2008/Server 2008 R2/Server 2012/Server 2016 (x86 & x64)<br>• Linux (support x86, x64 & ARM architecture)<br>  ◦ Ubuntu 12.04/14.04/16.04/17.04/17.10 (x86 & x64)<br>  ◦ CentOS 6.5/7 (x86 & x64)<br>  ◦ Fedora 25/26/27 (x86 & x64)<br>  ◦ Red hat 6.5 and above (x86 & x64)<br>  ◦ Other Linux OS with kernel version 2.6.35 and above<br>• Mac<br>  ◦ OS X 10.9/10.10/10.11<br>  ◦ macOS 10.12/10.13 |
| Recommended OS (tested) | • Windows<br>  ◦ Windows 7 Ultimate/8.1 Enterprise/10 Enterprise/Server 2008 R2 DataCenter/Server 2012 R2 DataCenter/Server 2016 R2 DataCenter (x86 & x64)<br>• Linux<br>  ◦ Ubuntu 12.04/14.04/16.04 (x86 & x64)<br>  ◦ Ubuntu 17.04/17.10 (x64)<br>  ◦ CentOS 6.5/7.2 (x86 & x64)<br>  ◦ Fedora 25/26 (x64)<br>  ◦ Red hat 6.5 (x86 & x64)<br>• Mac<br>  ◦ OS X 10.9.5/10.10/10.11.2/10.11.3/10.11.4<br>  ◦ macOS 10.12/10.13.2/10.13.3 |
| Supported APIs | • Windows<br>  ◦ DirectShow<br>  ◦ DirectKS<br>  ◦ Wave API/DirectSound/WASAPI |
| Supported Software | • VLC<br>• VirtualDub<br>• OBS<br>• XSplit<br>• vMix<br>• VidBlaster<br>• Wirecast<br>• Microsoft Media Encoder<br>• Adobe Flash Media Encoder<br>• Any other DirectShow/V4L2 encoding/streaming software |
| Input Interfaces | • HDMI<br>  ◦ DVI-D 1.0<br>  ◦ HDMI 2.0 |
| Host Interfaces | |

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| | • PCIe Gen2 x4 |
| Loop-through Interface | |
| | • HDMI<br>  ◦ DVI-D 1.0<br>  ◦ HDMI 2.0 |
| Input Features | |
| | • Support for input video resolutions up to 4096×2160 pixels |
| HDMI Specific Features | |
| | • 594MHz HDMI receiver<br>• Adaptive HDMI equalizer<br>• Support for customized EDID<br>• Support for extraction of AVI/Audio/SPD/MS/VS/ACP/ISRC1/ISRC2/Gamut InfoFrames<br>• Full colorimetry support<br>• Support for 8/10/12-bit color depths<br>• Support for RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2 color sampling<br>• Support for up to 8-channel IEC60958/IEC61937 audio streams<br>• Support for extraction of audio formation information & channel status data<br>• Support for extraction of video timing information<br>• Support for extraction of 3D format information<br>• Support for extraction of Sony/Canon DSLR time code<br>• 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<br>• Support for capture frame rates up to 144fps. (Actual capture frame rate can be limited by PCIe bandwidth & image resolution)<br>• Support for 4:2:0 8-bit capture formats: NV12, I420, YV12<br>• Support for 4:2:2 8-bit capture formats: YUY2, YUYV, UYVY<br>• Support for 4:4:4 8-bit capture formats: V308, IYU2, V408, BGR24, BGR32<br>• Support for 4:4:4 10-bit capture formats: V410, Y410<br>• More capture formats are supported via Pro Capture SDK for DirectKS |
| Video Processing Features | |
| | • Two video processing pipelines with ~720Mpixels/s processing bandwidth<br>• Full 10-bit video processing<br>• Video cropping<br>• Video scaling<br>• Video de-interlacing<br>  ◦ Weave<br>  ◦ Blend top & bottom field<br>  ◦ Top field only<br>  ◦ Bottom field only |

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| | • Video aspect ratio conversion<br>  ◦ Auto or manual selection of input aspect ratio<br>  ◦ Auto or manual selection of capture aspect ratio<br>  ◦ Three aspect ratio conversion modes: Ignore (Anamorphic), Cropping or Padding (Letterbox or Pillarbox)<br>• Video color format conversion<br>  ◦ Auto or manual selection of input color format & quantization range<br>  ◦ Auto or manual selection of capture color format, quantization range & saturation range<br>  ◦ Support for RGB, YCbCr 601, YCbCr 709, YCbCr 2020 color formats<br>  ◦ Support for Limited or Full quantization range<br>  ◦ Support for Limited, Full & ‘Extended gamut’ saturation range<br>• Video frame rate conversion<br>• Video OSD composition<br>  ◦ Support for PNG OSD image (up to 4096×2160)<br>  ◦ Support for dynamic loading of RGBA OSD image via SDK |
| Multiple Cards per System | • Support for multiple cards plugged to one system<br>• On-board rotary switch to set card number, with 16 positions from 0 to F<br>• System hardware device tree will display “01: Pro Capture HDMI 4K+ LT” when rotary switch is set to 1, and so on<br>• 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<br>• 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<br>• Partial notification mode in SDK |
| Timestamp &A/V Synchronization | • Hardware based 100ns high resolution clock<br>• Audio frames (192 audio samples) & video frames are stamped with hardware clock<br>• Hardware clock can be synchronized across cards (via SDK) |
| Video Capture SG-DMA | • ~1600MB/s per channel DMA bandwidth in PCIe 2.x system<br>• ~800MB/s per channel DMA bandwidth in PCIe 1.x system<br>• Support for auto detection of Intel tiled GPU surface<br>• Support for DirectGMA for AMD video adapter chipsets<br>• Support for GPUDirect for Nvidia video adapter chipsets |

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| SDK | • Pro Capture SDK for DirectShow for easy integration (Windows)<br>• 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<br>• Video,Audio, Crossbar filter names can be customized via registry keys |
| Firmware Upgrade | • Multiple cards in one system can be upgraded simultaneously<br>• 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<br>• 140mm x 68.88mm (without PCI bracket) |
| Power Consumption | • Max current at 12V: ~ 0.48 A<br>• Max current at 3.3V: ~ 0.82 A<br>• Max power consumption: ~ 8.08 W |
| Working Environment | • Operating temperature: 0 to 40 deg C<br>• Storage temperature: –20 to 70 deg C<br>• Relative Humidity: 5% to 90% non-condensing |